

BAB 9

KESIMPULAN DAN SARAN

9.1. Kesimpulan

Bisnis analitik dapat diterapkan pada segala jenis skala usaha. Mulai dari skala usaha yang besar yang mempunyai *big data* sampai skala usaha yang kecil seperti UMK. Pada UMK, khususnya gerai makanan dan minuman, bisnis analitik yang diterapkan tentunya perlu penyesuaian yang lebih sederhana agar dapat mudah digunakan oleh para pengelola UMK secara efektif dan efisien. Salah satu data yang mudah didapatkan dan dapat mendukung usaha UMK gerai makanan dan minuman dalam mempertahankan serta mengembangkan bisnisnya adalah data ulasan konsumen. Data ulasan konsumen bisa didapatkan dari akun *platform online* UMK gerai makanan dan minuman tersebut ataupun dari kuesioner langsung yang disebarakan kepada pelanggan. Ulasan konsumen merupakan data *text* yang pengolahan membutuhkan analisis *text mining* dan *sentiment analysis* guna mendapatkan informasi penting yang nantinya dapat membantu pengelola UMK gerai makanan dan minuman dalam merancang strategi untuk usaha mereka. Kerangka pengembangan strategi bisnis analitik sederhana untuk pengelola UMK gerai makanan dan minuman yang telah dibahas dalam penelitian ini dapat membantu pengelola dalam merancang strategi yang mereka perlukan untuk UMK. Kerangka ini tetap mengambil langkah-langkah yang ada di dalam bisnis analitik untuk *big data* namun dengan cara yang lebih sederhana.

Selain itu, dilakukan juga survei lapangan untuk mendapatkan *top of mind* dari para pelanggan berdasarkan dari pengambilan data yang dilakukan melalui *web* sebelumnya. *Top of mind* ini dapat menjadi salah satu instrument tambahan yang memudahkan pengelola UMK gerai makanan dan minuman dalam mengambil *customer insight* bagi yang mempunyai keterbatasan dalam pengambilan data ulasan konsumen. Pada UMK gerai makanan berdasarkan hasil uji reliabilitas, *alfa Cronbach* dari setiap sub-kategori melebihi batas bawah 0,7, menunjukkan bahwa kuesioner tersebut reliabel dan dapat digunakan untuk analisis berikutnya. Skor tertinggi diperoleh oleh sub-kategori "promosi," yaitu 121, sedangkan skor terendah adalah 80 untuk sub-kategori "kemasan." Dari hasil ini, dapat disimpulkan bahwa menurut 30 responden UMK gerai makanan, faktor "promosi" memiliki nilai kepentingan tertinggi dalam kesuksesan UMK gerai makanan, sedangkan sub-kategori "kemasan" memiliki nilai kepentingan terendah.

Sedangkan pada UMK gerai minuman berdasarkan hasil uji reliabilitas, *alfa Cronbach* dari setiap sub-kategori melebihi batas bawah 0,7, menunjukkan bahwa kuesioner tersebut reliabel. Skor tertinggi diperoleh oleh sub-kategori "konsistensi," dengan skor 149, sementara sub-kategori "toilet" mendapatkan skor terendah, yaitu 71. Dari hasil ini, dapat disimpulkan bahwa menurut 34 responden UMK gerai minuman, faktor "konsistensi" memiliki nilai kepentingan tertinggi dalam mengelola UMK gerai minuman, sedangkan ketersediaan "toilet" dianggap tidak begitu penting.

Penerapan pengolahan dan analisis data ulasan konsumen serta penentuan strategi bisnis merupakan langkah-langkah dari bisnis analitik. Pada UMK gerai makanan dan minuman pengumpulan data, *text mining*, dan *sentiment analysis* dilakukan secara manual dan sederhana seperti pada buku pedoman bisnis analitik sederhana untuk pengelola UMK gerai makanan dan minuman. Implementasi bisnis analitik sederhana yang telah dirancang khusus untuk UMK gerai makanan dan minuman berdampak positif untuk peningkatan penilaian UMK gerai makanan dan minuman di mata konsumen yang tentunya juga meningkatkan penjualan sehingga UMK gerai makanan dan minuman dapat bertahan lebih lama.

Contohnya pada UMK gerai minuman Y yang dapat meningkatkan peringkat penilaiannya di *platform online* setelah menerapkan bisnis analitik sederhana tersebut. Penerapan ini hanya berlaku untuk UMK gerai makanan dengan konsep seperti warteg atau pecel lele di daerah padat penduduk seperti DKI Jakarta dan UMK gerai minuman dengan konsep minuman ready to drink di daerah serupa. Strategi yang ditawarkan mungkin berbeda untuk setiap implementasi, disesuaikan dengan karakteristik dan tujuan UMK yang unik. Kerangka ini bertujuan membantu penggunaan bisnis analitik dalam pengambilan keputusan dengan sederhana sesuai dengan sumber daya yang tersedia. Agar hal ini dapat diterapkan oleh pengelola UMK gerai makanan dan minuman lainnya dengan lebih mudah, maka dibuatkan buku panduan dengan penjelasan singkat dan mudah dipahami serta contoh kasusnya. Selain itu dibuatkan instrumen tambahan berupa mini kuesioner untuk mempermudah pengambilan data *customer insight* khususnya bagi UMK yang belum melakukan penjualan melalui *platform online* ataupun mendaftarkan dalam akun bisnis *google*.

9.2. Saran

Model ini memang dapat diimplementasikan untuk pengelola UMK gerai makanan dan minuman dengan lebih mudah, namun ada kekurangan dalam melakukan model tersebut yaitu masih dikakukan dengan cara yang manual. Saran yang diusulkan dalam penelitian ini adalah dilakukan penelitian lanjutan untuk UMK yang menjual produk lain apakah dapat diimplementasikan bisnis analitik sederhana yang sama atau dibutuhkan modifikasi tambahan dari bisnis analitik sederhana yang diimplementasikan pada penelitian ini yang obyeknya khusus untuk UMK gerai makanan dan minuman. Selain itu dapat dilakukan pengembangan aplikasi sederhana untuk bisnis analitik UMK agar dapat lebih memudahkan lagi bagi pengelola UMK.



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LAMPIRAN

Lampiran 1 Cuplikan Data Mentah Hasil *Scraping Data Customer Review* Gerai Makanan

1	Customer Review
2	cepat pengirimannya, barang agak kasar sedikit tp masih oke. thanks seller
3	Order ke-2 lancar, respon cepat. Thanks!
4	respon baik. packing rapi. barang bagus.
5	Harga bersaing, barang sesuai gambar. Cuma delivery agak delay gara2 gojek error. Tapi overall ok.
6	mantep pdhl kirim k tangerang tpi masih beku..thx enak frees
7	Selain memang rujaknya mantul... sellernya jg ramah, top banget deh belanja disini
8	pengirimannya super cepat dan rujaknya enak dan segar
9	r
10	Products sudah diterima dengan baik.
11	respon cepat
12	packing rapi, respon seller cepat, sambel nya mantap, rekomen banget guys
13	seller fast respon
14	sip.....
15	sip.....
16	Ini order yg ke 2, krn rujaknya enak bgt. 🍻 Hrs coba deh gaes... Chat dibalas cpt, pengiriman jg cpt, penjualnya baik dan ramah..
17	Pengiriman cepat banget
18	Responnya cpt, lgs dikirim. Enak bgt deh.. Bakal beli lg..
19	Enak
20	Enak
21	Enak
22	penjual sangat responsif
23	enak bngt. crunchy dan gak meletuk2 di goreng aman. rekomended bngt
24	Pengiriman Cepat Packing Baik Recommended Seller
25	enak
26	terimakasih bajunya cepat sampee sesuai gambar
27	Gud quality, cuma sdikit lama aj pengantarannya, Coz anak q dah ga sabaran. So far, puaslah. Tq ya Ka
28	respon cepat, transaksi cepat, rasanya endeeuuusss mantap
29	respon cepat, transaksi cepat, rasanya juga enaaaaaakkk. mantap lah
30	terima kasih mbk paketan nya uda sampe kata tmn saya ya walaupun lama, hihi
31	bajunya bagus walau beda warna, tdk mirip dgn gambar, cepat sampai juga, terima kasih
32	barangnya bagus, nanti mau pesan lagi terima kasih
33	lumayan bagus, pas di pake anak
34	karet di topeng juga terlalu kecil riskan copot
35	karet di topeng terlalu kecil riskan copot
1	Customer Review
24637	Kusuka ini super simpel dan maknyus
24638	Suka barang makasih ya sudah menyediakan makanan praktis ini jadi gak ribet nyeri lauk
24639	Stock pribadi selama dirumah aja bakso terbaikkkk
24640	Terima kasih.....
24641	Seller ramah dan fast response
24642	Respon penjualnya cepet.. Alhamdulillah.. Rekomended.. InsyAllah nextime beli disini lagi..
24643	Ayamnya masih seger dan fresh
24644	Baksonya enak bangeettss.. Dpt promo dikasih bonus pula... Top markotop.. Kudu beli lagi nh... Ketagihan...
24645	Enak sekali mantab
24646	Bakso nya enak, pelayanannya juga cepat 🍻
24647	👍👍👍
24648	Definitely repurchase!
24649	👍👍👍
24650	Sukaaa dagingnya lembut dan enak rasanyaa👍
24651	surely akan repurchase sedih karena cuman nyetok dikir
24652	Uratnya jos beneran cuy
24653	Suka banget banget banget surely akan repurchase
24654	Paling enak ya di goreng ini mah
24655	Baso Urat yang jos banget berasa keluar luar
24656	Baso Halus 25 btr pas banget isinya gak kebanyakan gak kedikitian
24657	Baso besar dalemnya ada isian dagingnya gitu
24658	Baso Halus yang original kualitas premium beneran
24659	Baso Tahu Nya bisa di goreng ama di rebus enak dua duanya
24660	Baso Urat nya bisa jadiin supp
24661	Gue sih sukanya di rebus terus di cocol sendiri ama sambel dan kecap
24662	Paling suka tahu yang di gorengg udh ngeresep bumbunya
24663	Pisang goreng nya bener bener gakkbisa di dapetin dimana mana ini mah
24664	Baso Halus nya bisa di jadiin baso bakar juga ya
24665	Baso tahunya bisa juga buat di goreng
24666	cocok untuk stock dirumah
24667	
24668	Urat nya jos cos buat stock dirumah maknyus
24669	Tahunya mantao oey cocok untuk stock dirumah frozen foodan
24670	Cocok untuk stock dirumah

Lampiran 2

Cuplikan Data Mentah Hasil *Scraping Data Customer Review Gerai Minuman*

1	Customer Review
2	mantap gan, bagus jaminan ori mantap deh
3	pengiriman cepat dan barang berkualitas . terima kasih
4	Jadi langganan deh. Thanks for ur good services ya.
5	Service excellent. Thank you
6	Kualitas barang dan pelayanan sangat baik. Terimakasih Acai!
7	thank u. next time ga lupa lg yes
8	Barang asli, sesuai deskripsi pengiriman cepat sampai penjual terekomendasi
9	Authentic product and fast shipment.Product exactly like in the pictureRecommended seller
10	Pesanan diterima lebih cepat dari jadwal. Pelayanan sangat memuaskan. Terima kasih
11	sangat cepat datangnya, seller sangat cepat juga response nya
12	----- cocok -----
13	penjual cepat merespon dan koperatif
14	Rasa paling saya suka dari semua variant! Manis tapi ada asemnya seger-seger gitu. Jellynya juga banyak jd hepi minumnya
15	Rasa favorite! Asamnya pas cocok untuk orang yang ga suka asem
16	Barang Ori. Respon cepat.
17	Ini yang paling-paling enak seger banget, kalo lagi flu, atau sariawan gitu minum ginian ngefek banget
18	sudah kesekian kali pesen terus dan tidak pernah mengecewakan...Thanks yaaa
19	Pengiriman sangat cepat baru saja pesan, gojek sudah otw 🚗. Rasanya enak dan bikin nagih, beli krn review eatandtreats 🍷
20	Respon nya cepet, pengiriman cepet, packing nya rapih...pokoknya OK banget deh...next repeat order ya...thank you ya..
21	Packing rapi dan komunikasi sangat jelas dan membantu. Terima Kasih
22	Barangnya bagus banget..recommended seller
23	Always amazed with the service. Thank you
24	paling demen ini, seger jeruk ama lemon nya berasa banget kayak full tanpa air 🍷🍷 pengiriman pun cepatt
25	Ini enak banget 🍷
26	Kurang suka Lovely Lullaby before sleep, karena spirulina-nya berasa banget...
27	Mantap djiwa. Cocok dgn lidah saya. Next time bisa beli lg disini. Thanks
28	Cepet bettt
29	Sudah kedua kali pesan, respon penjual bagus dan kualitas dan packaging pun bagus. Recommended Seller
30	Ok sesuai dan bermanfaat
31	Langsung seger abis minum ini.. pedes asem manis
32	Walau seperti minum sayur 1 kg, rasa minuman ini seger banget kaya lagi minum green tea dawet gitu.
33	Menurut saya, rasanya lebih condong ke lemon instead lemon tea. Tapi cocok untuk yg perutnya lagi kembung dan bloated.
34	Semoga berhasil.....makasih..dikirim langsung
35	Produk sesuai, pengantaran sayangnya telat sehari
36	Minum ini...sampe siang ga laparr....enak dan segar...
37	Minum ini!!!..ga lapar sampe siang....dah ke 2x nya beli lg
38
1	Customer Review
12102	enak moe... kecil jd bisa buat cemilan
12103	repeat order. pesanan selalu cepas sampaiin. kalo soal rasa jus torbangun mom lime the best!
12104	Thank you
12105	Barangnya udh nyampe dengan aman... Mlsh ☺
12106	terima kasih pesanan sudah sampai...pelayanan cepat.
12107	Thank you
12108	Sudah repeat order yg kesekian kali
12109	order keduaaa terima kasihhhhh
12110	Bagus dan pelayanan tepat waktu.
12111	Langganan cepet sampaiyaaa
12112	Oxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
12113	makasih sudah diterima pakatnya... semoga bisa menghasilkan ASI yang lancar.
12114	Barang cepet sampai, pake gojek. Karena ga baca deskripsi, saya bekukan dan beleber karena peruh isinya.
12115	respon penjual sangat baik, pengiriman cepet
12116	rasanya enak, packing aman, kualitas dan akurasi produk sesuai
12117	Pengiriman sesuai jadwal & barang diterima ok
12118	enak bgd, segeeeeer, kaya lemon tea
12119	Wate Wate rasa taro rasa : 5/5 khasiat : 4/5 (menambah produksi asi secara signifikan, biasa puming sehari dapat 500ml, setelah minum ini bisa menjadi 650-700ml)
12120	minuman segerrr, ASI pun lancarrr
12121	minuman segerrr, ASI pun lancarrr
12122	bikin ASI makin deres dan buketian pokoknya
12123	loved it. rasanya nagih, tapi kenapa klo yg pouch lebih mahal ya? lebih enakts lebih mahal ya bunda
12124	rasanya enak tapi lebih suka yg jus karena yg ini agak seret klo diminum
12125	rasanya ngangenin udah 3 kali order
12126	enak kata istri..nanti klo udah abis pasti beli lg deh
12127	order yg kesekian kali nya. biar bintang yg berbicara
12128	Fast response dan rasanya enak
12129	Orderan kedua dan bene2 bermanfaat utk booster ASI
12130	ga terlalu ngaruh ke asi klo jusnya ngaruh bgd
12131	okaaa banget jusnya udh 3x repeat order bakaln repeat order lagi
12132	untuk yang kesekian kalinya. top
12133	Juice nya seger banget. mudah2an asiku bs melimpah
12134	Produk bagus & service memuaskan
12135	thank barang dtg dengan selamat, rasanya enak bgd seger... respon nya juga cepet bgd
12136	Kualitas konsisten bagus.. pelayanan super ok.. th ya mom.
12137	Kualitas konsisten bagus.. pelayanan super ok.. th ya mom.

Lampiran 3

Coding Gerai Makanan pada R studio

```
library(readxl)
raw_data <- read_xlsx("D:\\Pascasarjana\\TESIS\\Makanan_Tokopedia\\Review.xlsx", sheet = 1)
raw_text <- raw_data$Title
id_stopwords <- readLines("D:\\Pascasarjana\\TESIS\\Makanan_Tokopedia\\indonesian_stopwords.txt")
print(id_stopwords)
library(NLP)
library(tm)
corpus3 <- iconv(raw_text, to = "utf-8")
corpus3 <- Corpus(VectorSource(corpus3))
print(corpus3)
#data cleaning dan pre-processing
corpus3 <- tm_map(corpus3, tolower)
inspect(corpus3[1])
#hilangkan simbol
remove_punct <- function(x) gsub("[[:punct:]]", " ", x)
corpus3 <- tm_map(corpus3, content_transformer(remove_punct))
inspect(corpus3[1])
#hilangkan angka
remove_num <- function(x) gsub("[0-9]+", " ", x)
corpus3 <- tm_map(corpus3, content_transformer(remove_num))
inspect(corpus3[1])
#hilangkan duplikat huruf
remove_duplicate_char <- function(texts){
  all_words <- strsplit(texts, "\\s+")
  results <- c()
  for (words in all_words){
    result <- " "
    for (word in words){
      word_chars <- strsplit(word, "")[[1]]
      scanned_chars <- scan(what = character(), text = word_chars)
      result_chars <- rle(scanned_chars)$values
      clean_word <- paste(result_chars, collapse = "")
      result <- paste(result, clean_word, sep = " ")
    }
    results <- append(results, trimws(result))
  }
  return(results)
}
corpus3 <- tm_map(corpus3, content_transformer(remove_duplicate_char))
inspect(corpus3[1])
#bersihkan stopwords
corpus3 <- tm_map(corpus3, removeWords, id_stopwords)
inspect(corpus3[1])
#bersihkan spasi double
corpus3 <- tm_map(corpus3, stripWhitespace)
inspect(corpus3[1])
corpus3 <- tm_map(corpus3, gsub, pattern = "nya", replacement = "")
corpus3 <- tm_map(corpus3, gsub, pattern = "cpt", replacement = "cepat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "cepat", replacement = "cepat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "minuma", replacement = "minuman ")
corpus3 <- tm_map(corpus3, gsub, pattern = "minumann", replacement = "minuman")
corpus3 <- tm_map(corpus3, gsub, pattern = "chese", replacement = "cheese")
corpus3 <- tm_map(corpus3, gsub, pattern = "banget", replacement = "sangat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "seler", replacement = "penjual ")
corpus3 <- tm_map(corpus3, gsub, pattern = "order", replacement = "pesanan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "barang", replacement = "produk ")
corpus3 <- tm_map(corpus3, gsub, pattern = "rapi", replacement = "rapih ")
corpus3 <- tm_map(corpus3, gsub, pattern = "recomended", replacement = "rekomendasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = "repeat", replacement = "ulang ")
corpus3 <- tm_map(corpus3, gsub, pattern = "pedes", replacement = "pedas ")
corpus3 <- tm_map(corpus3, gsub, pattern = "langganan", replacement = "langganan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "fast", replacement = "cepat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dicoba", replacement = "coba ")
corpus3 <- tm_map(corpus3, gsub, pattern = "mantab", replacement = "mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = "sambel", replacement = "sambal ")
corpus3 <- tm_map(corpus3, gsub, pattern = "sampe", replacement = "sampai ")
corpus3 <- tm_map(corpus3, gsub, pattern = "packaging", replacement = "kemasan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "cabe", replacement = "cabai ")
corpus3 <- tm_map(corpus3, gsub, pattern = "fresh", replacement = "segar ")
```

```

corpus3 <- tm_map(corpus3, gsub, pattern = " pesen ", replacement = " pesan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " berasa ", replacement = " terasa ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mantul ", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " response ", replacement = " respon ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pengirima ", replacement = " pengiriman ")
corpus3 <- tm_map(corpus3, gsub, pattern = " next ", replacement = " berikut ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dimakan ", replacement = " makan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " uenak ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " makana ", replacement = " makanan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ijo ", replacement = " hijau ")
corpus3 <- tm_map(corpus3, gsub, pattern = " best ", replacement = " terbaik ")
corpus3 <- tm_map(corpus3, gsub, pattern = " tingal ", replacement = " tinggal ")
corpus3 <- tm_map(corpus3, gsub, pattern = " maknyus ", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bener ", replacement = " benar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " delivery ", replacement = " pengiriman ")
corpus3 <- tm_map(corpus3, gsub, pattern = " saus ", replacement = " saos ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dikit ", replacement = " sedikit ")
corpus3 <- tm_map(corpus3, gsub, pattern = " banget ", replacement = " sangat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " seler ", replacement = " penjual ")
corpus3 <- tm_map(corpus3, gsub, pattern = " order ", replacement = " pesanan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " barang ", replacement = " produk ")
corpus3 <- tm_map(corpus3, gsub, pattern = " rapi ", replacement = " rapih ")
corpus3 <- tm_map(corpus3, gsub, pattern = " recommended ", replacement = " rekomendasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " repeat ", replacement = " ulang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pedes ", replacement = " pedas ")
corpus3 <- tm_map(corpus3, gsub, pattern = " langanan ", replacement = " langganan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " fast ", replacement = " cepat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dicoba ", replacement = " coba ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mantab ", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sambel ", replacement = " sambal ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sampe ", replacement = " sampai ")
corpus3 <- tm_map(corpus3, gsub, pattern = " packaging ", replacement = " kemasan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " cabe ", replacement = " cabai ")
corpus3 <- tm_map(corpus3, gsub, pattern = " fresh ", replacement = " segar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pesen ", replacement = " pesan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " berasa ", replacement = " terasa ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mantul ", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " response ", replacement = " respon ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pengirima ", replacement = " pengiriman ")
corpus3 <- tm_map(corpus3, gsub, pattern = " next ", replacement = " berikut ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dimakan ", replacement = " makan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " uenak ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " makana ", replacement = " makanan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ijo ", replacement = " hijau ")
corpus3 <- tm_map(corpus3, gsub, pattern = " best ", replacement = " terbaik ")
corpus3 <- tm_map(corpus3, gsub, pattern = " tingal ", replacement = " tinggal ")
corpus3 <- tm_map(corpus3, gsub, pattern = " maknyus ", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bener ", replacement = " benar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " delivery ", replacement = " pengiriman ")
corpus3 <- tm_map(corpus3, gsub, pattern = " saus ", replacement = " saos ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dikit ", replacement = " sedikit ")
corpus3 <- tm_map(corpus3, gsub, pattern = " service ", replacement = " pelayanan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " masakan ", replacement = " makanan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mantep ", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " favorit ", replacement = " suka ")
corpus3 <- tm_map(corpus3, gsub, pattern = " yummy ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pelayana ", replacement = " pelayanan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " respo ", replacement = " respon ")
corpus3 <- tm_map(corpus3, gsub, pattern = " gede ", replacement = " besar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " review ", replacement = " ulasan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " seger ", replacement = " segar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " time ", replacement = " waktu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " lezat ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " abis ", replacement = " habis ")
corpus3 <- tm_map(corpus3, gsub, pattern = " beneran ", replacement = " asli ")
corpus3 <- tm_map(corpus3, gsub, pattern = " product ", replacement = " produk ")
corpus3 <- tm_map(corpus3, gsub, pattern = " respond ", replacement = " respon ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mengecewakan ", replacement = " kecewa ")
corpus3 <- tm_map(corpus3, gsub, pattern = " overal ", replacement = " keseluruhan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sedap ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " nikmat ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " anget ", replacement = " hangat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kemas ", replacement = " kemasan ")

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corpus3 <- tm_map(corpus3, gsub, pattern = " nyesel ", replacement = " menyesal ")
corpus3 <- tm_map(corpus3, gsub, pattern = " repurchase ", replacement = " reorder ")
corpus3 <- tm_map(corpus3, gsub, pattern = " nyobain ", replacement = " coba ")
corpus3 <- tm_map(corpus3, gsub, pattern = " orderan ", replacement = " pesanan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " masaka ", replacement = " masakan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " nyoba ", replacement = " coba ")
corpus3 <- tm_map(corpus3, gsub, pattern = " potongan ", replacement = " diskon ")
corpus3 <- tm_map(corpus3, gsub, pattern = " taste ", replacement = " rasa ")
corpus3 <- tm_map(corpus3, gsub, pattern = " tetep ", replacement = " tetap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bungkus ", replacement = " kemasan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " brg ", replacement = " produk ")
corpus3 <- tm_map(corpus3, gsub, pattern = " box ", replacement = " kotak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " keadan ", replacement = " keadaan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " buble ", replacement = " bubble ")
corpus3 <- tm_map(corpus3, gsub, pattern = " stock ", replacement = " stok ")
corpus3 <- tm_map(corpus3, gsub, pattern = " lgsg ", replacement = " langsung ")
corpus3 <- tm_map(corpus3, gsub, pattern = " alot ", replacement = " keras ")
corpus3 <- tm_map(corpus3, gsub, pattern = " respons ", replacement = " respon ")
corpus3 <- tm_map(corpus3, gsub, pattern = " responsive ", replacement = " responsif ")
corpus3 <- tm_map(corpus3, gsub, pattern = " minggu ", replacement = " minggu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " endes ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dapet ", replacement = " dapat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " recomend ", replacement = " rekomendasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " plus ", replacement = " tambah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bnyk ", replacement = " banyak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " hampers ", replacement = " bingkisan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " cuman ", replacement = " hanya ")
corpus3 <- tm_map(corpus3, gsub, pattern = " smp ", replacement = " sampai ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ukura ", replacement = " ukuran ")
corpus3 <- tm_map(corpus3, gsub, pattern = " day ", replacement = " hari ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ati ", replacement = " hati ")
corpus3 <- tm_map(corpus3, gsub, pattern = " byk ", replacement = " banyak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " tenan ", replacement = " benar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sempet ", replacement = " sempat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " rekomended ", replacement = " rekomendasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " smua ", replacement = " semua ")
corpus3 <- tm_map(corpus3, gsub, pattern = " beku ", replacement = " frozen ")
corpus3 <- tm_map(corpus3, gsub, pattern = " keasinan ", replacement = " asin ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sekeluarga ", replacement = " keluarga ")
corpus3 <- tm_map(corpus3, gsub, pattern = " chef ", replacement = " koki ")
corpus3 <- tm_map(corpus3, gsub, pattern = " baso ", replacement = " bakso ")
corpus3 <- tm_map(corpus3, gsub, pattern = " markotop ", replacement = " top ")
corpus3 <- tm_map(corpus3, gsub, pattern = " org ", replacement = " orang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " slalu ", replacement = " selalu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dtg ", replacement = " datang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kualitas ", replacement = " kualitas ")
corpus3 <- tm_map(corpus3, gsub, pattern = " admi ", replacement = " admin ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ful ", replacement = " penuh ")
corpus3 <- tm_map(corpus3, gsub, pattern = " lgs ", replacement = " langsung ")
corpus3 <- tm_map(corpus3, gsub, pattern = " layanan ", replacement = " pelayanan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " doyan ", replacement = " suka ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dateng ", replacement = " datang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " blom ", replacement = " belum ")
corpus3 <- tm_map(corpus3, gsub, pattern = " belom ", replacement = " belum ")
corpus3 <- tm_map(corpus3, gsub, pattern = " higienis ", replacement = " bersih ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kerasa ", replacement = " terasa ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mantabs ", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " fod ", replacement = " makanan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " packingan ", replacement = " packing ")
corpus3 <- tm_map(corpus3, gsub, pattern = " rada ", replacement = " agak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " worth ", replacement = " sesuai ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pete ", replacement = " petai ")
corpus3 <- tm_map(corpus3, gsub, pattern = " paking ", replacement = " packing ")
corpus3 <- tm_map(corpus3, gsub, pattern = " chicken ", replacement = " ayam ")
corpus3 <- tm_map(corpus3, gsub, pattern = " temen ", replacement = " teman ")
corpus3 <- tm_map(corpus3, gsub, pattern = " gercep ", replacement = " cepat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " request ", replacement = " pesanan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " skrg ", replacement = " sekarang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mkn ", replacement = " makan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " trm ", replacement = " terima ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ludes ", replacement = " habis ")
corpus3 <- tm_map(corpus3, gsub, pattern = " fre ", replacement = " gratis ")
corpus3 <- tm_map(corpus3, gsub, pattern = " not ", replacement = " tidak ")

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corpus3 <- tm_map(corpus3, gsub, pattern = " quality ", replacement = " kualitas ")
corpus3 <- tm_map(corpus3, gsub, pattern = " eunak ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kesukan ", replacement = " suka ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sauce ", replacement = " saos ")
corpus3 <- tm_map(corpus3, gsub, pattern = " terenak ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " telur ", replacement = " telur ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pesenan ", replacement = " pesanan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pack ", replacement = " pak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " potonga ", replacement = " potongan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " blum ", replacement = " belum ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kemaren ", replacement = " kemarin ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ireng ", replacement = " hitam ")
corpus3 <- tm_map(corpus3, gsub, pattern = " masukan ", replacement = " masukkan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " berkualitas ", replacement = " kualitas ")
corpus3 <- tm_map(corpus3, gsub, pattern = " delicious ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mantaps ", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " favorite ", replacement = " suka ")
corpus3 <- tm_map(corpus3, gsub, pattern = " nungu ", replacement = " manunggu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " muantap ", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " customer ", replacement = " pelanggan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " highly ", replacement = " tinggi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " vacuum ", replacement = " vakum ")
corpus3 <- tm_map(corpus3, gsub, pattern = " senang ", replacement = " senang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " harum ", replacement = " wangi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " endul ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " always ", replacement = " selalu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " maknyos ", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ice ", replacement = " es ")
corpus3 <- tm_map(corpus3, gsub, pattern = " enk ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " love ", replacement = " suka ")
corpus3 <- tm_map(corpus3, gsub, pattern = " received ", replacement = " diterima ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sukak ", replacement = " suka ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bsk ", replacement = " besok ")
corpus3 <- tm_map(corpus3, gsub, pattern = " wuenak ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pesana ", replacement = " pesanan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " tangap ", replacement = " responsif ")
corpus3 <- tm_map(corpus3, gsub, pattern = " again ", replacement = " lagi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dikasi ", replacement = " diberi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " komplit ", replacement = " lengkap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kremesa ", replacement = " kremesan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bosen ", replacement = " bosan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mdh ", replacement = " mudah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " extra ", replacement = " ekstra ")
corpus3 <- tm_map(corpus3, gsub, pattern = " cemilan ", replacement = " camilan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " liat ", replacement = " lihat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mayan ", replacement = " lumayan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " item ", replacement = " produk ")
corpus3 <- tm_map(corpus3, gsub, pattern = " poko ", replacement = " pokok ")
corpus3 <- tm_map(corpus3, gsub, pattern = " size ", replacement = " ukuran ")
corpus3 <- tm_map(corpus3, gsub, pattern = " tgl ", replacement = " tanggal ")
corpus3 <- tm_map(corpus3, gsub, pattern = " helpful ", replacement = " membantu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pokoke ", replacement = " seharusnya ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bgs ", replacement = " bagus ")
corpus3 <- tm_map(corpus3, gsub, pattern = " traveling ", replacement = " pelesir ")
corpus3 <- tm_map(corpus3, gsub, pattern = " penggemar ", replacement = " penggemar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " endeus ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " males ", replacement = " malas ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dalem ", replacement = " dalam ")
corpus3 <- tm_map(corpus3, gsub, pattern = " expres ", replacement = " cepat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " cucok ", replacement = " cocok ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sedep ", replacement = " sedap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dus ", replacement = " kotak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dsni ", replacement = " disini ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bingits ", replacement = " sekali ")
corpus3 <- tm_map(corpus3, gsub, pattern = " job ", replacement = " pekerjaan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " lsg ", replacement = " langsung ")
corpus3 <- tm_map(corpus3, gsub, pattern = " smpe ", replacement = " sampai ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pelanggan ", replacement = " pelanggan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " hapy ", replacement = " senang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pcs ", replacement = " satuan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " hrg ", replacement = " harga ")
corpus3 <- tm_map(corpus3, gsub, pattern = " cheese ", replacement = " keju ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kelihata ", replacement = " kelihatan ")

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corpus3 <- tm_map(corpus3, gsub, pattern = " menggunakan ", replacement = " menggunakan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " gendis ", replacement = " manis ")
corpus3 <- tm_map(corpus3, gsub, pattern = " shop ", replacement = " toko ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bnr ", replacement = " benar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " wel ", replacement = " baik ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dipacking ", replacement = " dikemas ")
corpus3 <- tm_map(corpus3, gsub, pattern = " gampang ", replacement = " mudah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kedepa ", replacement = " kedepan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " standard ", replacement = " standar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " tambahin ", replacement = " ditambahkan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " lapak ", replacement = " toko ")
corpus3 <- tm_map(corpus3, gsub, pattern = " telat ", replacement = " terlambat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dirumah ", replacement = " rumah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " tebal ", replacement = " tebal ")
corpus3 <- tm_map(corpus3, gsub, pattern = " picture ", replacement = " gambar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " wenak ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " try ", replacement = " coba ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sblm ", replacement = " sebelum ")
corpus3 <- tm_map(corpus3, gsub, pattern = " malem ", replacement = " malam ")
corpus3 <- tm_map(corpus3, gsub, pattern = " diangetin ", replacement = " dihangatkan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " keliatan ", replacement = " kelihatan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mesen ", replacement = " pesan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " otentik ", replacement = " asli ")
corpus3 <- tm_map(corpus3, gsub, pattern = " match ", replacement = " cocok ")
corpus3 <- tm_map(corpus3, gsub, pattern = " exp ", replacement = " kedaluwarsa ")
corpus3 <- tm_map(corpus3, gsub, pattern = " manteb ", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " nice ", replacement = " bagus ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sungguh ", replacement = " sungguh ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sory ", replacement = " maaf ")
corpus3 <- tm_map(corpus3, gsub, pattern = " description ", replacement = " deskripsi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " say ", replacement = " bicara ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mantaf ", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " medok ", replacement = " terasa ")
corpus3 <- tm_map(corpus3, gsub, pattern = " definitely ", replacement = " sesungguhnya ")
corpus3 <- tm_map(corpus3, gsub, pattern = " buanget ", replacement = " sekali ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bad ", replacement = " buruk ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kep ", replacement = " simpan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " fav ", replacement = " kesukaan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " enga ", replacement = " tidak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sebener ", replacement = " sesungguhnya ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ditungu ", replacement = " ditunggu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " diskripsi ", replacement = " deskripsi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " okelah ", replacement = " oke ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ngeresep ", replacement = " meresap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " friendly ", replacement = " bersahabat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " fix ", replacement = " tetap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " gimana ", replacement = " bagaimana ")
corpus3 <- tm_map(corpus3, gsub, pattern = " resto ", replacement = " restoran ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bef ", replacement = " daging ")
corpus3 <- tm_map(corpus3, gsub, pattern = " serasa ", replacement = " seperti ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pkt ", replacement = " paket ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dsini ", replacement = " disini ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kado ", replacement = " hadiah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " shiping ", replacement = " pengiriman ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kasi ", replacement = " kasih ")
corpus3 <- tm_map(corpus3, gsub, pattern = " endol ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ampe ", replacement = " sampai ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pangang ", replacement = " panggang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sure ", replacement = " benar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " much ", replacement = " banyak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " jdi ", replacement = " jadi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " okay ", replacement = " oke ")
corpus3 <- tm_map(corpus3, gsub, pattern = " authentic ", replacement = " asli ")
corpus3 <- tm_map(corpus3, gsub, pattern = " chili ", replacement = " cabai ")
corpus3 <- tm_map(corpus3, gsub, pattern = " packinga ", replacement = " pengemasan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " servis ", replacement = " pelayanan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bangets ", replacement = " sangat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bli ", replacement = " beli ")
corpus3 <- tm_map(corpus3, gsub, pattern = " fryer ", replacement = " penggorengan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mending ", replacement = " lebih baik ")
corpus3 <- tm_map(corpus3, gsub, pattern = " nemu ", replacement = " menemukan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " eneg ", replacement = " enek ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mesti ", replacement = " pasti ")

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corpus3 <- tm_map(corpus3, gsub, pattern = " ditambahin ", replacement = " ditambahkan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " lgi ", replacement = " lagi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " syuka ", replacement = " suka ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kmrn ", replacement = " kemarin ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ajib ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " milk ", replacement = " susu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ori ", replacement = " asli ")
corpus3 <- tm_map(corpus3, gsub, pattern = " endolita ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " keliatan ", replacement = " kelihatan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " tasty ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " via ", replacement = " melalui ")
corpus3 <- tm_map(corpus3, gsub, pattern = " great ", replacement = " hebat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bgt ", replacement = " sangat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " note ", replacement = " catatan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " syg ", replacement = " sayang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " high ", replacement = " tinggi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " tingi ", replacement = " tinggi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " like ", replacement = " suka ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bertanggung ", replacement = " bertanggungjawab ")
corpus3 <- tm_map(corpus3, gsub, pattern = " angetin ", replacement = " menghangatkan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " wkt ", replacement = " waktu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ntar ", replacement = " nanti ")
corpus3 <- tm_map(corpus3, gsub, pattern = " tungu ", replacement = " tunggu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " emg ", replacement = " memang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " isia ", replacement = " isian ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pengemasa ", replacement = " pengemasan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " lom ", replacement = " belum ")
corpus3 <- tm_map(corpus3, gsub, pattern = " oil ", replacement = " minyak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kripik ", replacement = " keripik ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kirima ", replacement = " kiriman ")
corpus3 <- tm_map(corpus3, gsub, pattern = " one ", replacement = " satu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " out ", replacement = " keluar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " vege ", replacement = " vegetarian ")
corpus3 <- tm_map(corpus3, gsub, pattern = " lunpia ", replacement = " lumpia ")
corpus3 <- tm_map(corpus3, gsub, pattern = " recsel ", replacement = " rekomendasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " rasany ", replacement = " rasa ")
corpus3 <- tm_map(corpus3, gsub, pattern = " padet ", replacement = " padat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " buy ", replacement = " beli ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ready ", replacement = " tersedia ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ngirim ", replacement = " pengiriman ")
corpus3 <- tm_map(corpus3, gsub, pattern = " gada ", replacement = " tidak ada ")
corpus3 <- tm_map(corpus3, gsub, pattern = " timbanga ", replacement = " timbangan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bareng ", replacement = " bersama ")
corpus3 <- tm_map(corpus3, gsub, pattern = " seal ", replacement = " penutup ")
corpus3 <- tm_map(corpus3, gsub, pattern = " syudahlah ", replacement = " sudahlah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dekat ", replacement = " dekat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " tanggal ", replacement = " tanggal ")
corpus3 <- tm_map(corpus3, gsub, pattern = " date ", replacement = " tanggal ")
corpus3 <- tm_map(corpus3, gsub, pattern = " photo ", replacement = " foto ")
corpus3 <- tm_map(corpus3, gsub, pattern = " lumayanlah ", replacement = " lumayan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " berlanganan ", replacement = " berlangganan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " skali ", replacement = " sekali ")
corpus3 <- tm_map(corpus3, gsub, pattern = " muantep ", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " komplain ", replacement = " keluhan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mnrt ", replacement = " menurut ")
corpus3 <- tm_map(corpus3, gsub, pattern = " risol ", replacement = " risoles ")
corpus3 <- tm_map(corpus3, gsub, pattern = " online ", replacement = " daring ")
corpus3 <- tm_map(corpus3, gsub, pattern = " masukin ", replacement = " dimasukkan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sealed ", replacement = " tertutup ")
corpus3 <- tm_map(corpus3, gsub, pattern = " nuget ", replacement = " nugget ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bantuan ", replacement = " bantuan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " recomanded ", replacement = " rekomendasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " skalian ", replacement = " sekalian ")
corpus3 <- tm_map(corpus3, gsub, pattern = " never ", replacement = " tidak pernah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ucapa ", replacement = " ucapan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " gausah ", replacement = " tidak usah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " permintan ", replacement = " permintaan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " excelent ", replacement = " bagus ")
corpus3 <- tm_map(corpus3, gsub, pattern = " jadin ", replacement = " dijadikan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " blanja ", replacement = " belanja ")
corpus3 <- tm_map(corpus3, gsub, pattern = " macem ", replacement = " macam ")
corpus3 <- tm_map(corpus3, gsub, pattern = " menungu ", replacement = " menunggu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " layana ", replacement = " layanan ")

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corpus3 <- tm_map(corpus3, gsub, pattern = " simple ", replacement = " sederhana ")
corpus3 <- tm_map(corpus3, gsub, pattern = " nyetok ", replacement = " menyetok ")
corpus3 <- tm_map(corpus3, gsub, pattern = " second ", replacement = " kedua ")
corpus3 <- tm_map(corpus3, gsub, pattern = " have ", replacement = " mempunyai ")
corpus3 <- tm_map(corpus3, gsub, pattern = " lembek ", replacement = " lunak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " meat ", replacement = " daging ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mantapz ", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " half ", replacement = " setengah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ngasih ", replacement = " diberi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " nti ", replacement = " nanti ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pke ", replacement = " pakai ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dibikin ", replacement = " dibuat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " owner ", replacement = " pemilik ")
corpus3 <- tm_map(corpus3, gsub, pattern = " lunch ", replacement = " makan siang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " quick ", replacement = " cepat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " rmh ", replacement = " rumah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " lmyn ", replacement = " lumayan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " special ", replacement = " spesial ")
corpus3 <- tm_map(corpus3, gsub, pattern = " semingu ", replacement = " seminggu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kudu ", replacement = " harus ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sbg ", replacement = " sebagai ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pick ", replacement = " memilih ")
corpus3 <- tm_map(corpus3, gsub, pattern = " work ", replacement = " kerja ")
corpus3 <- tm_map(corpus3, gsub, pattern = " yeay ", replacement = " hore ")
corpus3 <- tm_map(corpus3, gsub, pattern = " luv ", replacement = " suka ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ngerasain ", replacement = " merasakan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kliata ", replacement = " kelihatan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " variant ", replacement = " varian ")
corpus3 <- tm_map(corpus3, gsub, pattern = " slu ", replacement = " selalu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " perfect ", replacement = " sempurna ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kesokan ", replacement = " keesokan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " hrnga ", replacement = " harga ")
corpus3 <- tm_map(corpus3, gsub, pattern = " okeh ", replacement = " oke ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ckp ", replacement = " cukup ")
corpus3 <- tm_map(corpus3, gsub, pattern = " jkt ", replacement = " jakarta ")
corpus3 <- tm_map(corpus3, gsub, pattern = " endez ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pride ", replacement = " kebanggaan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " refund ", replacement = " pengembalian ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pie ", replacement = " pai ")
corpus3 <- tm_map(corpus3, gsub, pattern = " fres ", replacement = " segar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mpek ", replacement = " pempek ")
corpus3 <- tm_map(corpus3, gsub, pattern = " enggak ", replacement = " tidak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ordered ", replacement = " pesan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " masi ", replacement = " masih ")
corpus3 <- tm_map(corpus3, gsub, pattern = " walo ", replacement = " walau ")
corpus3 <- tm_map(corpus3, gsub, pattern = " komen ", replacement = " komentar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " just ", replacement = " hanya ")
corpus3 <- tm_map(corpus3, gsub, pattern = " first ", replacement = " pertama ")
corpus3 <- tm_map(corpus3, gsub, pattern = " tangung ", replacement = " tanggung ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dry ", replacement = " kering ")
corpus3 <- tm_map(corpus3, gsub, pattern = " stlh ", replacement = " setelah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dimasukin ", replacement = " dimasukkan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " over ", replacement = " terlalu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " done ", replacement = " sudah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " disimpn ", replacement = " disimpan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " diksh ", replacement = " diberi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kenceng ", replacement = " kencang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " value ", replacement = " nilai ")
corpus3 <- tm_map(corpus3, gsub, pattern = " toping ", replacement = " taburan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dcoba ", replacement = " dicoba ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pingin ", replacement = " ingin ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ngobatin ", replacement = " mengobati ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sop ", replacement = " sup ")
corpus3 <- tm_map(corpus3, gsub, pattern = " expectation ", replacement = " ekspektasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " blg ", replacement = " bilang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kelaman ", replacement = " kelamaan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " home ", replacement = " rumah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " brng ", replacement = " produk ")
corpus3 <- tm_map(corpus3, gsub, pattern = " complain ", replacement = " keluhan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " cmn ", replacement = " hanya ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mantaplah ", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " trlalu ", replacement = " terlalu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " brasa ", replacement = " terasa ")

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corpus3 <- tm_map(corpus3, gsub, pattern = " overprice ", replacement = " mahal ")
corpus3 <- tm_map(corpus3, gsub, pattern = " inget ", replacement = " ingat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " koperatif ", replacement = " kooperatif ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ontime ", replacement = " tepat waktu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bong ", replacement = " bohong ")
corpus3 <- tm_map(corpus3, gsub, pattern = " hbs ", replacement = " habis ")
corpus3 <- tm_map(corpus3, gsub, pattern = " smpai ", replacement = " sampai ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dimasukan ", replacement = " dimasukkan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " belin ", replacement = " dibelikan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " coment ", replacement = " komentar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bungkusa ", replacement = " kemasan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " family ", replacement = " keluarga ")
corpus3 <- tm_map(corpus3, gsub, pattern = " makyus ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " baby ", replacement = " bayi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " store ", replacement = " toko ")
corpus3 <- tm_map(corpus3, gsub, pattern = " penganti ", replacement = " pengganti ")
corpus3 <- tm_map(corpus3, gsub, pattern = " spy ", replacement = " supaya ")
corpus3 <- tm_map(corpus3, gsub, pattern = " purchase ", replacement = " pembelian ")
corpus3 <- tm_map(corpus3, gsub, pattern = " loks ", replacement = " terlihat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " gmn ", replacement = " bagaimana ")
corpus3 <- tm_map(corpus3, gsub, pattern = " fedback ", replacement = " umpan balik ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ena ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " juala ", replacement = " jualan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ever ", replacement = " pernah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mengugah ", replacement = " menggugah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " reseler ", replacement = " reseller ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dagingny ", replacement = " daging ")
corpus3 <- tm_map(corpus3, gsub, pattern = " repeated ", replacement = " ulang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " simpel ", replacement = " sederhana ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sdkt ", replacement = " sedikit ")
corpus3 <- tm_map(corpus3, gsub, pattern = " rasane ", replacement = " rasa ")
corpus3 <- tm_map(corpus3, gsub, pattern = " shiped ", replacement = " terkirim ")
corpus3 <- tm_map(corpus3, gsub, pattern = " plain ", replacement = " hambar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " aga ", replacement = " agak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " taro ", replacement = " taruh ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kecium ", replacement = " tercium ")
corpus3 <- tm_map(corpus3, gsub, pattern = " juarak ", replacement = " juara ")
corpus3 <- tm_map(corpus3, gsub, pattern = " tampila ", replacement = " tampilan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bgd ", replacement = " sangat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " higienis ", replacement = " bersih ")
corpus3 <- tm_map(corpus3, gsub, pattern = " gluten ", replacement = " gula ")
corpus3 <- tm_map(corpus3, gsub, pattern = " rol ", replacement = " gulung ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mlm ", replacement = " malam ")
corpus3 <- tm_map(corpus3, gsub, pattern = " meresep ", replacement = " meresap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pulak ", replacement = " pula ")
corpus3 <- tm_map(corpus3, gsub, pattern = " negri ", replacement = " negeri ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dijamin ", replacement = " dijadikan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dobel ", replacement = " ganda ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mateng ", replacement = " matang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " nempel ", replacement = " menempel ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pst ", replacement = " pasti ")
corpus3 <- tm_map(corpus3, gsub, pattern = " rapet ", replacement = " rapat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " lgsung ", replacement = " langsung ")
corpus3 <- tm_map(corpus3, gsub, pattern = " must ", replacement = " harus ")
corpus3 <- tm_map(corpus3, gsub, pattern = " rich ", replacement = " kaya ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dikirimin ", replacement = " dikirimkan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " nerima ", replacement = " menerima ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ayamny ", replacement = " ayam ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ngecewain ", replacement = " mengecewakan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " klu ", replacement = " jika ")
corpus3 <- tm_map(corpus3, gsub, pattern = " adain ", replacement = " diadakan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " prod ", replacement = " produk ")
corpus3 <- tm_map(corpus3, gsub, pattern = " selebih ", replacement = " selebihnya ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bkn ", replacement = " bukan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " plastic ", replacement = " plastik ")
corpus3 <- tm_map(corpus3, gsub, pattern = " overload ", replacement = " berlebihan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " skl ", replacement = " sekali ")
corpus3 <- tm_map(corpus3, gsub, pattern = " shg ", replacement = " sehingga ")
corpus3 <- tm_map(corpus3, gsub, pattern = " penampaka ", replacement = " tampilan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ato ", replacement = " atau ")
corpus3 <- tm_map(corpus3, gsub, pattern = " rasonyo ", replacement = " rasa ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kebuka ", replacement = " terbuka ")
corpus3 <- tm_map(corpus3, gsub, pattern = " please ", replacement = " mohon ")

```



```

corpus3 <- tm_map(corpus3, gsub, pattern = " pingir ", replacement = " pinggir ")
corpus3 <- tm_map(corpus3, gsub, pattern = " price ", replacement = " harga ")
corpus3 <- tm_map(corpus3, gsub, pattern = " can ", replacement = " kaleng ")
corpus3 <- tm_map(corpus3, gsub, pattern = " tender ", replacement = " lembut ")
corpus3 <- tm_map(corpus3, gsub, pattern = " nikmati ", replacement = " menikmati ")
corpus3 <- tm_map(corpus3, gsub, pattern = " cable ", replacement = " kabel ")
corpus3 <- tm_map(corpus3, gsub, pattern = " stars ", replacement = " bintang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " map ", replacement = " maaf ")
corpus3 <- tm_map(corpus3, gsub, pattern = " thumbs ", replacement = " jempol ")
corpus3 <- tm_map(corpus3, gsub, pattern = " tyt ", replacement = " ternyata ")
corpus3 <- tm_map(corpus3, gsub, pattern = " buter ", replacement = " mentega ")
corpus3 <- tm_map(corpus3, gsub, pattern = " percis ", replacement = " persis ")
corpus3 <- tm_map(corpus3, gsub, pattern = " cookies ", replacement = " kue ")
corpus3 <- tm_map(corpus3, gsub, pattern = " chanel ", replacement = " saluran ")
corpus3 <- tm_map(corpus3, gsub, pattern = " make ", replacement = " membuat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " desert ", replacement = " kudapan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " keagaman ", replacement = " keagamaan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " walupun ", replacement = " walaupun ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dipake ", replacement = " dipakai ")
corpus3 <- tm_map(corpus3, gsub, pattern = " thn ", replacement = " tahun ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mpai ", replacement = " sampai ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kebrp ", replacement = " seberapa ")
corpus3 <- tm_map(corpus3, gsub, pattern = " luck ", replacement = " untung ")
corpus3 <- tm_map(corpus3, gsub, pattern = " delivered ", replacement = " terkirim ")
corpus3 <- tm_map(corpus3, gsub, pattern = " roast ", replacement = " memanggang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " brapa ", replacement = " berapa ")
corpus3 <- tm_map(corpus3, gsub, pattern = " roasted ", replacement = " terpancang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bingitz ", replacement = " sangat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ndak ", replacement = " tidak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kekuranga ", replacement = " kekurangan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " nyerep ", replacement = " menyerap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bole ", replacement = " boleh ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dipangang ", replacement = " dipanggang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " hny ", replacement = " hanya ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kurg ", replacement = " kurang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " masakini ", replacement = " dimasakkan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mimin ", replacement = " admin ")
corpus3 <- tm_map(corpus3, gsub, pattern = " tengorokan ", replacement = " tenggorokan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " strong ", replacement = " kuat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ordera ", replacement = " pesanan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kpn ", replacement = " kapan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ragukan ", replacement = " ragu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " banyak ", replacement = " banyak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " merespon ", replacement = " respon ")
corpus3 <- tm_map(corpus3, gsub, pattern = " maknyuz ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " described ", replacement = " terdeskripsi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " beter ", replacement = " lebih baik ")
corpus3 <- tm_map(corpus3, gsub, pattern = " rasanyo ", replacement = " rasa ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kilo ", replacement = " kg ")
corpus3 <- tm_map(corpus3, gsub, pattern = " hinga ", replacement = " hingga ")
corpus3 <- tm_map(corpus3, gsub, pattern = " back ", replacement = " kembali ")
corpus3 <- tm_map(corpus3, gsub, pattern = " rice ", replacement = " nasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dinfo ", replacement = " diinfo ")
corpus3 <- tm_map(corpus3, gsub, pattern = " psb ", replacement = " psbb ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bubblewrap ", replacement = " bubblewrap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " generous ", replacement = " dermawan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " aseli ", replacement = " asli ")
corpus3 <- tm_map(corpus3, gsub, pattern = " from ", replacement = " dari ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dianter ", replacement = " diantar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bentar ", replacement = " sebentar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " nda ", replacement = " tidak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " lezato ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " right ", replacement = " benar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " tie ", replacement = " mengikat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " favoritku ", replacement = " kesukaan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kaga ", replacement = " tidak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ditrm ", replacement = " diterima ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mantabh ", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bner ", replacement = " benar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " tku ", replacement = " beli ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pgn ", replacement = " ingin ")
corpus3 <- tm_map(corpus3, gsub, pattern = " condition ", replacement = " kondisi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " wrapping ", replacement = " membungkus ")

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corpus3 <- tm_map(corpus3, gsub, pattern = " rebutan ", replacement = " berebutan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " indo ", replacement = " indonesia ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mntab ", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " subscribe ", replacement = " berlangganan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " yumi ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pengantara ", replacement = " pengantaran ")
corpus3 <- tm_map(corpus3, gsub, pattern = " tmn ", replacement = " teman ")
corpus3 <- tm_map(corpus3, gsub, pattern = " knp ", replacement = " mengapa ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ntr ", replacement = " nanti ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bget ", replacement = " sangat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sdkit ", replacement = " sedikit ")
corpus3 <- tm_map(corpus3, gsub, pattern = " disni ", replacement = " disini ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sample ", replacement = " sampel ")
corpus3 <- tm_map(corpus3, gsub, pattern = " psti ", replacement = " pasti ")
corpus3 <- tm_map(corpus3, gsub, pattern = " rekomend ", replacement = " rekomendasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " fails ", replacement = " gagal ")
corpus3 <- tm_map(corpus3, gsub, pattern = " would ", replacement = " akan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " got ", replacement = " mendapatkan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " spicy ", replacement = " pedas ")
corpus3 <- tm_map(corpus3, gsub, pattern = " krm ", replacement = " kirim ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ulasa ", replacement = " ulasan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ketemu ", replacement = " menemukan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " tetanga ", replacement = " tetangga ")
corpus3 <- tm_map(corpus3, gsub, pattern = " after ", replacement = " setelah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " nemenin ", replacement = " menemani ")
corpus3 <- tm_map(corpus3, gsub, pattern = " reasonable ", replacement = " wajar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " balance ", replacement = " seimbang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " texture ", replacement = " tekstur ")
corpus3 <- tm_map(corpus3, gsub, pattern = " saler ", replacement = " penjual ")
corpus3 <- tm_map(corpus3, gsub, pattern = " seandai ", replacement = " seandainya ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kesel ", replacement = " kesal ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dich ", replacement = " dicoba ")
corpus3 <- tm_map(corpus3, gsub, pattern = " saur ", replacement = " sahur ")
corpus3 <- tm_map(corpus3, gsub, pattern = " jamin ", replacement = " dijamin ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bekel ", replacement = " bekal ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pengirman ", replacement = " pengiriman ")
corpus3 <- tm_map(corpus3, gsub, pattern = " opsi ", replacement = " pilihan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " cicip ", replacement = " mencicipi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " items ", replacement = " produk ")
corpus3 <- tm_map(corpus3, gsub, pattern = " portion ", replacement = " porsi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bru ", replacement = " baru ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mgkin ", replacement = " mungkin ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pres ", replacement = " tekan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " stay ", replacement = " tetap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " when ", replacement = " kapan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sedeng ", replacement = " sedang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pre ", replacement = " sebelum ")
corpus3 <- tm_map(corpus3, gsub, pattern = " include ", replacement = " termasuk ")
corpus3 <- tm_map(corpus3, gsub, pattern = " tmpt ", replacement = " tempat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " should ", replacement = " harus ")
corpus3 <- tm_map(corpus3, gsub, pattern = " perbaiki ", replacement = " memperbaiki ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kemakan ", replacement = " termakan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " psn ", replacement = " pesan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " nunguin ", replacement = " menunggu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " wlpn ", replacement = " walaupun ")
corpus3 <- tm_map(corpus3, gsub, pattern = " soalny ", replacement = " soalnya ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sangup ", replacement = " sanggup ")
corpus3 <- tm_map(corpus3, gsub, pattern = " enaks ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " stil ", replacement = " tetap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " musti ", replacement = " harus ")
corpus3 <- tm_map(corpus3, gsub, pattern = " klik ", replacement = " tekan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " late ", replacement = " terlambat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bln ", replacement = " bulan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sugar ", replacement = " gula ")
corpus3 <- tm_map(corpus3, gsub, pattern = " courier ", replacement = " kurir ")
corpus3 <- tm_map(corpus3, gsub, pattern = " packed ", replacement = " dikemas ")
corpus3 <- tm_map(corpus3, gsub, pattern = " buyer ", replacement = " pembeli ")
corpus3 <- tm_map(corpus3, gsub, pattern = " tombo ", replacement = " obat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " asik ", replacement = " asyik ")
corpus3 <- tm_map(corpus3, gsub, pattern = " wedang ", replacement = " minuman ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kedlm ", replacement = " kedalam ")
corpus3 <- tm_map(corpus3, gsub, pattern = " chesy ", replacement = " keju ")
corpus3 <- tm_map(corpus3, gsub, pattern = " yumiest ", replacement = " enak ")

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corpus3 <- tm_map(corpus3, gsub, pattern = " garem ", replacement = " garam ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kurangi ", replacement = " mengurangi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " gendhis ", replacement = " manis ")
corpus3 <- tm_map(corpus3, gsub, pattern = " icip ", replacement = " mencicipi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " coz ", replacement = " karena ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dri ", replacement = " dari ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bermanfaat ", replacement = " bermanfaat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sesuai ", replacement = " sesuai ")
corpus3 <- tm_map(corpus3, gsub, pattern = " tlg ", replacement = " tolong ")
corpus3 <- tm_map(corpus3, gsub, pattern = " simpen ", replacement = " simpan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sperti ", replacement = " seperti ")
corpus3 <- tm_map(corpus3, gsub, pattern = " lock ", replacement = " kunci ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pdhal ", replacement = " padahal ")
corpus3 <- tm_map(corpus3, gsub, pattern = " aplg ", replacement = " apalagi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dideskripsi ", replacement = " deskripsi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sngt ", replacement = " sangat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " gift ", replacement = " hadiah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " card ", replacement = " kartu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ditulis ", replacement = " dituliskan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " realy ", replacement = " sungguh ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kind ", replacement = " baik ")
corpus3 <- tm_map(corpus3, gsub, pattern = " restaurant ", replacement = " restoran ")
corpus3 <- tm_map(corpus3, gsub, pattern = " notes ", replacement = " tulisan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " hamper ", replacement = " bingkisan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " town ", replacement = " kota ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dibonusin ", replacement = " bonus ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bkin ", replacement = " membuat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " harapkan ", replacement = " mengharapkan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " merek ", replacement = " merk ")
corpus3 <- tm_map(corpus3, gsub, pattern = " tingkatkan ", replacement = " meningkatkan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " grg ", replacement = " goreng ")
corpus3 <- tm_map(corpus3, gsub, pattern = " toge ", replacement = " tauge ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pkok ", replacement = " pokok ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pakcaging ", replacement = " kemasan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sodara ", replacement = " saudara ")
corpus3 <- tm_map(corpus3, gsub, pattern = " nak ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " oily ", replacement = " berminyak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " direfund ", replacement = " dikembalikan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " milih ", replacement = " memilih ")
corpus3 <- tm_map(corpus3, gsub, pattern = " keremes ", replacement = " kremes ")
corpus3 <- tm_map(corpus3, gsub, pattern = " prngiriman ", replacement = " pengiriman ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kliatan ", replacement = " kelihatan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " satisfied ", replacement = " puas ")
corpus3 <- tm_map(corpus3, gsub, pattern = " laper ", replacement = " lapar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bwt ", replacement = " buat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " lot ", replacement = " banyak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " filet ", replacement = " fillet ")
corpus3 <- tm_map(corpus3, gsub, pattern = " cept ", replacement = " cepat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " skg ", replacement = " sekarang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " smpt ", replacement = " sempat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pengiriman ", replacement = " pengiriman ")
corpus3 <- tm_map(corpus3, gsub, pattern = " napsu ", replacement = " nafsu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sperti ", replacement = " seperti ")
corpus3 <- tm_map(corpus3, gsub, pattern = " seasoning ", replacement = " bumbu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mengangu ", replacement = " mengganggu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ujan ", replacement = " hujan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " son ", replacement = " akan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " anter ", replacement = " antar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " than ", replacement = " dibanding ")
corpus3 <- tm_map(corpus3, gsub, pattern = " silakan ", replacement = " silahkan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sumatra ", replacement = " Sumatera ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dicicip ", replacement = " mencicipi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " package ", replacement = " paket ")
corpus3 <- tm_map(corpus3, gsub, pattern = " rating ", replacement = " peringkat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " spek ", replacement = " spesifikasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sayuran ", replacement = " sayuran ")
corpus3 <- tm_map(corpus3, gsub, pattern = " penampila ", replacement = " penampilan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pratis ", replacement = " praktis ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ditrima ", replacement = " diterima ")
corpus3 <- tm_map(corpus3, gsub, pattern = " welcome ", replacement = " selamat datang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mulu ", replacement = " lagi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " everything ", replacement = " semua ")
corpus3 <- tm_map(corpus3, gsub, pattern = " what ", replacement = " apa ")

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corpus3 <- tm_map(corpus3, gsub, pattern = " wrong ", replacement = " salah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pengepakan ", replacement = " pengemasan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " honest ", replacement = " jujur ")
corpus3 <- tm_map(corpus3, gsub, pattern = " apalgi ", replacement = " apalagi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " only ", replacement = " hanya ")
corpus3 <- tm_map(corpus3, gsub, pattern = " salted ", replacement = " asin ")
corpus3 <- tm_map(corpus3, gsub, pattern = " money ", replacement = " uang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " penampakan ", replacement = " penampilan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " worthed ", replacement = " berharga ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mngkn ", replacement = " mungkin ")
corpus3 <- tm_map(corpus3, gsub, pattern = " nganter ", replacement = " mengantar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " hilang ", replacement = " hilang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " espektasi ", replacement = " ekspektasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " nothing ", replacement = " tidak ada apa apa ")
corpus3 <- tm_map(corpus3, gsub, pattern = " expect ", replacement = " ekspektasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ngerti ", replacement = " mengerti ")
corpus3 <- tm_map(corpus3, gsub, pattern = " divakum ", replacement = " vakum ")
corpus3 <- tm_map(corpus3, gsub, pattern = " recomen ", replacement = " rekomendasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mengiurkan ", replacement = " menggiurkan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " rame ", replacement = " ramai ")
corpus3 <- tm_map(corpus3, gsub, pattern = " berenti ", replacement = " berhenti ")
corpus3 <- tm_map(corpus3, gsub, pattern = " barengan ", replacement = " bersama ")
corpus3 <- tm_map(corpus3, gsub, pattern = " safe ", replacement = " aman ")
corpus3 <- tm_map(corpus3, gsub, pattern = " seriusan ", replacement = " sesungguhnya ")
corpus3 <- tm_map(corpus3, gsub, pattern = " more ", replacement = " lebih ")
corpus3 <- tm_map(corpus3, gsub, pattern = " simply ", replacement = " sederhana ")
corpus3 <- tm_map(corpus3, gsub, pattern = " swet ", replacement = " manis ")
corpus3 <- tm_map(corpus3, gsub, pattern = " langananku ", replacement = " langganan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ntah ", replacement = " entah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " prnh ", replacement = " pernah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " condiments ", replacement = " bumbu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " made ", replacement = " buatan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " fish ", replacement = " ikan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bargng ", replacement = " produk ")
corpus3 <- tm_map(corpus3, gsub, pattern = " paty ", replacement = " patty ")
corpus3 <- tm_map(corpus3, gsub, pattern = " potato ", replacement = " kentang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " display ", replacement = " penampilan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " suport ", replacement = " mendukung ")
corpus3 <- tm_map(corpus3, gsub, pattern = " informative ", replacement = " informatif ")
corpus3 <- tm_map(corpus3, gsub, pattern = " gofod ", replacement = " gofood ")
corpus3 <- tm_map(corpus3, gsub, pattern = " rekomendid ", replacement = " rekomendasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " rasapun ", replacement = " rasa ")
corpus3 <- tm_map(corpus3, gsub, pattern = " idem ", replacement = " sama ")
corpus3 <- tm_map(corpus3, gsub, pattern = " disemarang ", replacement = " semarang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " taruh ", replacement = " menaruh ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bit ", replacement = " sedikit ")
corpus3 <- tm_map(corpus3, gsub, pattern = " uwenak ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " riview ", replacement = " ulasan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " nutela ", replacement = " nuttela ")
corpus3 <- tm_map(corpus3, gsub, pattern = " later ", replacement = " nanti ")
corpus3 <- tm_map(corpus3, gsub, pattern = " cream ", replacement = " krim ")
corpus3 <- tm_map(corpus3, gsub, pattern = " give ", replacement = " memberi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " rikues ", replacement = " permintaan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dbawa ", replacement = " dibawa ")
corpus3 <- tm_map(corpus3, gsub, pattern = " prny ", replacement = " mempunyai ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sueger ", replacement = " segar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " lauh ", replacement = " lauk ")
corpus3 <- tm_map(corpus3, gsub, pattern = " masakany ", replacement = " masakan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dagi ", replacement = " daging ")
corpus3 <- tm_map(corpus3, gsub, pattern = " presh ", replacement = " segar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kelihat ", replacement = " terlihat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " menting ", replacement = " penting ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pembelanjan ", replacement = " pembelajaan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sdikit ", replacement = " sedikit ")
corpus3 <- tm_map(corpus3, gsub, pattern = " paketan ", replacement = " paket ")
corpus3 <- tm_map(corpus3, gsub, pattern = " blnja ", replacement = " belanja ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bales ", replacement = " balas ")
corpus3 <- tm_map(corpus3, gsub, pattern = " psen ", replacement = " pesan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mau ", replacement = " mau ")
corpus3 <- tm_map(corpus3, gsub, pattern = " cos ", replacement = " karena ")
corpus3 <- tm_map(corpus3, gsub, pattern = " lezatos ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " markotob ", replacement = " top ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mix ", replacement = " campur ")

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```

corpus3 <- tm_map(corpus3, gsub, pattern = " pngiriman ", replacement = " pengiriman ")
corpus3 <- tm_map(corpus3, gsub, pattern = " favorito ", replacement = " kesukaan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " hepi ", replacement = " bahagia ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kegedean ", replacement = " kebesaran ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bny ", replacement = " banyak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " double ", replacement = " dobel ")
corpus3 <- tm_map(corpus3, gsub, pattern = " reapon ", replacement = " tanggapan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mantapo ", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dilebihin ", replacement = " ditambahkan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mntap ", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ngabisin ", replacement = " menghabiskan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kluarga ", replacement = " keluarga ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bsa ", replacement = " bisa ")
corpus3 <- tm_map(corpus3, gsub, pattern = " gilak ", replacement = " gila ")
corpus3 <- tm_map(corpus3, gsub, pattern = " amount ", replacement = " jumlah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " gren ", replacement = " hijau ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pelayanan ", replacement = " pelayanan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ngerasa ", replacement = " merasa ")
corpus3 <- tm_map(corpus3, gsub, pattern = " psnan ", replacement = " pesanan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mantaph ", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kshih ", replacement = " kasih ")
corpus3 <- tm_map(corpus3, gsub, pattern = " segede ", replacement = " sebesar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bgtu ", replacement = " begitu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " banding ", replacement = " dibandingkan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " smal ", replacement = " kecil ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bkl ", replacement = " bekal ")
corpus3 <- tm_map(corpus3, gsub, pattern = " container ", replacement = " wadah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " down ", replacement = " turun ")
corpus3 <- tm_map(corpus3, gsub, pattern = " semalem ", replacement = " semalam ")
corpus3 <- tm_map(corpus3, gsub, pattern = " oklah ", replacement = " oke ")
corpus3 <- tm_map(corpus3, gsub, pattern = " selerny ", replacement = " penjual ")
corpus3 <- tm_map(corpus3, gsub, pattern = " prefer ", replacement = " memilih ")
corpus3 <- tm_map(corpus3, gsub, pattern = " apalg ", replacement = " apalagi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " krupuk ", replacement = " kerupuk ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kece ", replacement = " bagus ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mimi ", replacement = " minum ")
corpus3 <- tm_map(corpus3, gsub, pattern = " folow ", replacement = " mengikuti ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bgts ", replacement = " sangat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " wing ", replacement = " sayap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " tervakum ", replacement = " vakum ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dibumbuin ", replacement = " bumbu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " safety ", replacement = " keamanan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " belm ", replacement = " belum ")
corpus3 <- tm_map(corpus3, gsub, pattern = " snack ", replacement = " kudapan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dicemilin ", replacement = " cemilan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " disat ", replacement = " disaat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " leker ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " endang ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kepedasa ", replacement = " kepedasan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " smga ", replacement = " semoga ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kli ", replacement = " kali ")
corpus3 <- tm_map(corpus3, gsub, pattern = " koment ", replacement = " komentar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " nampak ", replacement = " tampak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " berkomunikasi ", replacement = " komunikasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " banget ", replacement = " sangat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " preorder ", replacement = " PO ")
corpus3 <- tm_map(corpus3, gsub, pattern = " autentik ", replacement = " otentik ")
corpus3 <- tm_map(corpus3, gsub, pattern = " manasin ", replacement = " dipanaskan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " demen ", replacement = " suka ")
corpus3 <- tm_map(corpus3, gsub, pattern = " clear ", replacement = " bersih ")
corpus3 <- tm_map(corpus3, gsub, pattern = " rasakan ", replacement = " rasa ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dendengny ", replacement = " dendeng ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kaliny ", replacement = " kali ")
corpus3 <- tm_map(corpus3, gsub, pattern = " rekomendasikan ", replacement = " rekomendasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " aslik ", replacement = " asli ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ditoko ", replacement = " toko ")
corpus3 <- tm_map(corpus3, gsub, pattern = " consistently ", replacement = " konsisten ")
corpus3 <- tm_map(corpus3, gsub, pattern = " nympe ", replacement = " sampai ")
corpus3 <- tm_map(corpus3, gsub, pattern = " rasaya ", replacement = " rasa ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ongkos ", replacement = " biaya ")
corpus3 <- tm_map(corpus3, gsub, pattern = " styrofoam ", replacement = " stereofom ")
corpus3 <- tm_map(corpus3, gsub, pattern = " perasan ", replacement = " perasaan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " meal ", replacement = " makanan ")

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corpus3 <- tm_map(corpus3, gsub, pattern = " direbus ", replacement = " rebus ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kesukanku ", replacement = " kesukaan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " reply ", replacement = " membalas ")
corpus3 <- tm_map(corpus3, gsub, pattern = " duck ", replacement = " bebek ")
corpus3 <- tm_map(corpus3, gsub, pattern = " imediately ", replacement = " langsung ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mising ", replacement = " hilang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " promptly ", replacement = " tepat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " perkiran ", replacement = " perkiraan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " auto ", replacement = " langsung ")
corpus3 <- tm_map(corpus3, gsub, pattern = " diplastik ", replacement = " plastik ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dibayangkan ", replacement = " ekspektasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " berekspektasi ", replacement = " ekspektasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " seharga ", replacement = " seharga ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bumbu ", replacement = " bumbu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " gasuka ", replacement = " tidaksuka ")
corpus3 <- tm_map(corpus3, gsub, pattern = " under ", replacement = " dibawah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " light ", replacement = " cahaya ")
corpus3 <- tm_map(corpus3, gsub, pattern = " gile ", replacement = " gila ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dapatkan ", replacement = " mendapatkan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pait ", replacement = " pahit ")
corpus3 <- tm_map(corpus3, gsub, pattern = " stengah ", replacement = " setengah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dtng ", replacement = " datang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kebayar ", replacement = " terbayar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " tekstur ", replacement = " tekstur ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bneran ", replacement = " benar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " higenis ", replacement = " bersih ")
corpus3 <- tm_map(corpus3, gsub, pattern = " motong ", replacement = " memotong ")
corpus3 <- tm_map(corpus3, gsub, pattern = " failed ", replacement = " gagal ")
corpus3 <- tm_map(corpus3, gsub, pattern = " adl ", replacement = " adalah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ekspres ", replacement = " cepat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " nyicipin ", replacement = " mencicipi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " surprisingly ", replacement = " heran ")
corpus3 <- tm_map(corpus3, gsub, pattern = " real ", replacement = " asli ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dipaketkan ", replacement = " paket ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kuatir ", replacement = " khawatir ")
corpus3 <- tm_map(corpus3, gsub, pattern = " fave ", replacement = " kesukaan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pricey ", replacement = " mahal ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pouch ", replacement = " kantong ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sma ", replacement = " sama ")
corpus3 <- tm_map(corpus3, gsub, pattern = " teros ", replacement = " terus ")
corpus3 <- tm_map(corpus3, gsub, pattern = " keitung ", replacement = " terhitung ")
corpus3 <- tm_map(corpus3, gsub, pattern = " move ", replacement = " pindah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " blon ", replacement = " belum ")
corpus3 <- tm_map(corpus3, gsub, pattern = " everbest ", replacement = " terbaik ")
corpus3 <- tm_map(corpus3, gsub, pattern = " come ", replacement = " datang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " typical ", replacement = " khas ")
corpus3 <- tm_map(corpus3, gsub, pattern = " diwrap ", replacement = " dibungkus ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kyak ", replacement = " seperti ")
corpus3 <- tm_map(corpus3, gsub, pattern = " based ", replacement = " berdasarkan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " respurchase ", replacement = " repurchase ")
corpus3 <- tm_map(corpus3, gsub, pattern = " choco ", replacement = " coklat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " direview ", replacement = " ulasan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " casava ", replacement = " singkong ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ancur ", replacement = " hancur ")
corpus3 <- tm_map(corpus3, gsub, pattern = " terlejut ", replacement = " terkejut ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dikat ", replacement = " diikat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dipack ", replacement = " dibungkus ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mhantab ", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " usual ", replacement = " biasa ")
corpus3 <- tm_map(corpus3, gsub, pattern = " diorder ", replacement = " dipesan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " surely ", replacement = " pasti ")
corpus3 <- tm_map(corpus3, gsub, pattern = " grabexpres ", replacement = " grabexpress ")
corpus3 <- tm_map(corpus3, gsub, pattern = " diongkir ", replacement = " ongkir ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ekspedisi ", replacement = " ekspedisi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " agk ", replacement = " agak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " reaponsif ", replacement = " responsif ")
corpus3 <- tm_map(corpus3, gsub, pattern = " barangny ", replacement = " produk ")
corpus3 <- tm_map(corpus3, gsub, pattern = " moisty ", replacement = " lembab ")
corpus3 <- tm_map(corpus3, gsub, pattern = " terlezat ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " brenti ", replacement = " berhenti ")
corpus3 <- tm_map(corpus3, gsub, pattern = " krispy ", replacement = " krispi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mayanlah ", replacement = " lumayan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " rasain ", replacement = " rasa ")

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corpus3 <- tm_map(corpus3, gsub, pattern = " diping ", replacement = " mencelupkan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " proper ", replacement = " layak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " diner ", replacement = " dinner ")
corpus3 <- tm_map(corpus3, gsub, pattern = " est ", replacement = " sejak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " blanche ", replacement = " pucat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dresing ", replacement = " taburan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bikinin ", replacement = " dibuatkan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sauces ", replacement = " saos ")
corpus3 <- tm_map(corpus3, gsub, pattern = " put ", replacement = " menaruh ")
corpus3 <- tm_map(corpus3, gsub, pattern = " years ", replacement = " tahun ")
corpus3 <- tm_map(corpus3, gsub, pattern = " absolutely ", replacement = " sangat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " procesing ", replacement = " pengolahan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dingatkan ", replacement = " diingatkan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " jely ", replacement = " jeli ")
corpus3 <- tm_map(corpus3, gsub, pattern = " tengiri ", replacement = " tenggiri ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mayo ", replacement = " mayones ")
corpus3 <- tm_map(corpus3, gsub, pattern = " merespons ", replacement = " merespon ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bnar ", replacement = " benar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kosongpun ", replacement = " kosong ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mka ", replacement = " maka ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bakaln ", replacement = " bakal ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ceoat ", replacement = " cepat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " inform ", replacement = " memberitahukan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " aktifitas ", replacement = " aktivitas ")
corpus3 <- tm_map(corpus3, gsub, pattern = " syukurilah ", replacement = " syukur ")
corpus3 <- tm_map(corpus3, gsub, pattern = " terupdate ", replacement = " terkini ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sbgmn ", replacement = " sebagaimana ")
corpus3 <- tm_map(corpus3, gsub, pattern = " informstif ", replacement = " informatif ")
corpus3 <- tm_map(corpus3, gsub, pattern = " terpackinh ", replacement = " terpacking ")
corpus3 <- tm_map(corpus3, gsub, pattern = " products ", replacement = " produk ")
corpus3 <- tm_map(corpus3, gsub, pattern = " brang ", replacement = " produk ")
corpus3 <- tm_map(corpus3, gsub, pattern = " spec ", replacement = " spesifikasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dibumbu ", replacement = " bumbu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " persediaan ", replacement = " persediaan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kadsih ", replacement = " kasih ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mbeli ", replacement = " beli ")
corpus3 <- tm_map(corpus3, gsub, pattern = " nyiapin ", replacement = " disiapkan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " wktu ", replacement = " waktu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " rempong ", replacement = " repot ")
corpus3 <- tm_map(corpus3, gsub, pattern = " laen ", replacement = " lain ")
corpus3 <- tm_map(corpus3, gsub, pattern = " setiao ", replacement = " setiap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " cpat ", replacement = " cepat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " nitip ", replacement = " titip ")
corpus3 <- tm_map(corpus3, gsub, pattern = " cba ", replacement = " coba ")
corpus3 <- tm_map(corpus3, gsub, pattern = " hri ", replacement = " hari ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kedalem ", replacement = " kedalam ")
corpus3 <- tm_map(corpus3, gsub, pattern = " req ", replacement = " permintaan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " hidangan ", replacement = " makanan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " santapan ", replacement = " makanan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sales ", replacement = " penjualan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " concern ", replacement = " perhatian ")
corpus3 <- tm_map(corpus3, gsub, pattern = " black ", replacement = " hitam ")
corpus3 <- tm_map(corpus3, gsub, pattern = " how ", replacement = " bagaimana ")
corpus3 <- tm_map(corpus3, gsub, pattern = " procesed ", replacement = " diproses ")
corpus3 <- tm_map(corpus3, gsub, pattern = " christmas ", replacement = " natal ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dkirim ", replacement = " dikirim ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dlu ", replacement = " dulu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " chicke ", replacement = " ayam ")
corpus3 <- tm_map(corpus3, gsub, pattern = " litle ", replacement = " kecil ")
corpus3 <- tm_map(corpus3, gsub, pattern = " moist ", replacement = " lembab ")
corpus3 <- tm_map(corpus3, gsub, pattern = " greting ", replacement = " salam ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bsr ", replacement = " besar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " varia ", replacement = " variasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " skt ", replacement = " sakit ")
corpus3 <- tm_map(corpus3, gsub, pattern = " fat ", replacement = " gemuk ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ntap ", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " slh ", replacement = " salah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " keluargaku ", replacement = " keluarga ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ketimbang ", replacement = " daripada ")
corpus3 <- tm_map(corpus3, gsub, pattern = " jualary ", replacement = " jualan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dsn ", replacement = " disini ")
corpus3 <- tm_map(corpus3, gsub, pattern = " paduan ", replacement = " paduan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " taun ", replacement = " tahun ")

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corpus3 <- tm_map(corpus3, gsub, pattern = " brpa ", replacement = " berapa ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kemudaian ", replacement = " kemudian ")
corpus3 <- tm_map(corpus3, gsub, pattern = " konfirm ", replacement = " konfirmasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " betol ", replacement = " betul ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bingo ", replacement = " betul ")
corpus3 <- tm_map(corpus3, gsub, pattern = " fry ", replacement = " goreng ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dioseng ", replacement = " oseng ")
corpus3 <- tm_map(corpus3, gsub, pattern = " juwara ", replacement = " juara ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sndr ", replacement = " sendiri ")
corpus3 <- tm_map(corpus3, gsub, pattern = " cemilin ", replacement = " makan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " nangung ", replacement = " tidaksampai ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bumbuin ", replacement = " bumbu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " haduh ", replacement = " aduh ")
corpus3 <- tm_map(corpus3, gsub, pattern = " recomeded ", replacement = " rekomendasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " drmh ", replacement = " dirumah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dicicipin ", replacement = " mencicipi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ngedumel ", replacement = " mengguman ")
corpus3 <- tm_map(corpus3, gsub, pattern = " tolonglah ", replacement = " tolong ")
corpus3 <- tm_map(corpus3, gsub, pattern = " cuepat ", replacement = " cepat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " slow ", replacement = " lambat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " drive ", replacement = " menyetir ")
corpus3 <- tm_map(corpus3, gsub, pattern = " gendut ", replacement = " gemuk ")
corpus3 <- tm_map(corpus3, gsub, pattern = " even ", replacement = " bahkan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bunbu ", replacement = " bumbu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " star ", replacement = " bintang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kempukan ", replacement = " empuk ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kuantitas ", replacement = " jumlah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pengiriman ", replacement = " pengiriman ")
corpus3 <- tm_map(corpus3, gsub, pattern = " hadeh ", replacement = " aduh ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mumpung ", replacement = " selagi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sudh ", replacement = " sudah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kebuang ", replacement = " terbuang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " nusuk ", replacement = " menusuk ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kmren ", replacement = " kemarin ")
corpus3 <- tm_map(corpus3, gsub, pattern = " raso ", replacement = " rasa ")
corpus3 <- tm_map(corpus3, gsub, pattern = " favourite ", replacement = " kesukaan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kombinasi ", replacement = " paduan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " renda ", replacement = " rendah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " expetasi ", replacement = " ekspektasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " menyelesaikan ", replacement = " menyelesaikan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " disukai ", replacement = " suka ")
corpus3 <- tm_map(corpus3, gsub, pattern = " matap ", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " belado ", replacement = " balado ")
corpus3 <- tm_map(corpus3, gsub, pattern = " enough ", replacement = " cukup ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dipadu ", replacement = " paduan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " recomended ", replacement = " rekomendasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " anytime ", replacement = " kapanpun ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mesan ", replacement = " pesan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bakmi ", replacement = " mie ")
corpus3 <- tm_map(corpus3, gsub, pattern = " cancel ", replacement = " batal ")
corpus3 <- tm_map(corpus3, gsub, pattern = " stop ", replacement = " berhenti ")
corpus3 <- tm_map(corpus3, gsub, pattern = " penguriman ", replacement = " pengiriman ")
corpus3 <- tm_map(corpus3, gsub, pattern = " panasi ", replacement = " dipanaskan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sdah ", replacement = " sudah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " nipis ", replacement = " menipis ")
corpus3 <- tm_map(corpus3, gsub, pattern = " nyesal ", replacement = " menyesal ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dikeluarin ", replacement = " dikeluarkan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mengumpal ", replacement = " menggumpal ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bervariasi ", replacement = " variasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kasian ", replacement = " kasihan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " padukan ", replacement = " paduan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " tmbh ", replacement = " tambah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " untunglah ", replacement = " untung ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mongo ", replacement = " silahkan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mengoda ", replacement = " menggoda ")
corpus3 <- tm_map(corpus3, gsub, pattern = " nambahin ", replacement = " menambahkan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " nagihin ", replacement = " ketagihan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " apek ", replacement = " bau ")
corpus3 <- tm_map(corpus3, gsub, pattern = " telo ", replacement = " ketela ")
corpus3 <- tm_map(corpus3, gsub, pattern = " keturunan ", replacement = " terlampirkan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pedesny ", replacement = " pedas ")
corpus3 <- tm_map(corpus3, gsub, pattern = " excited ", replacement = " bersemangat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " improve ", replacement = " memperbaiki ")

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corpus3 <- tm_map(corpus3, gsub, pattern = " langu ", replacement = " bau ")
corpus3 <- tm_map(corpus3, gsub, pattern = " hijo ", replacement = " hijau ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sni ", replacement = " sini ")
corpus3 <- tm_map(corpus3, gsub, pattern = " amazed ", replacement = " kagum ")
corpus3 <- tm_map(corpus3, gsub, pattern = " keluarkan ", replacement = " mengeluarkan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " diraguin ", replacement = " ragu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " stelah ", replacement = " setelah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " stgh ", replacement = " setengah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ngira ", replacement = " mengira ")
corpus3 <- tm_map(corpus3, gsub, pattern = " expektasi ", replacement = " ekspektasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " hype ", replacement = " sensasional ")
corpus3 <- tm_map(corpus3, gsub, pattern = " beyond ", replacement = " diluar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " disapointed ", replacement = " kecewa ")
corpus3 <- tm_map(corpus3, gsub, pattern = " okey ", replacement = " oke ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kenakan ", replacement = " menggunakan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " could ", replacement = " bisa ")
corpus3 <- tm_map(corpus3, gsub, pattern = " scr ", replacement = " secara ")
corpus3 <- tm_map(corpus3, gsub, pattern = " rebo ", replacement = " rabu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " download ", replacement = " unduh ")
corpus3 <- tm_map(corpus3, gsub, pattern = " referal ", replacement = " rujukan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sekejab ", replacement = " sekejap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " penaman ", replacement = " penamaan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " hint ", replacement = " petunjuk ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ketinggian ", replacement = " ketinggian ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sambalny ", replacement = " sambal ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ptg ", replacement = " potong ")
corpus3 <- tm_map(corpus3, gsub, pattern = " hangatkan ", replacement = " dipanaskan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " gapernah ", replacement = " tidakpernah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " alumunium ", replacement = " aluminium ")
corpus3 <- tm_map(corpus3, gsub, pattern = " big ", replacement = " besar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dibandingin ", replacement = " dibandingkan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " tumisa ", replacement = " tumisan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " unpleasant ", replacement = " kecewa ")
corpus3 <- tm_map(corpus3, gsub, pattern = " les ", replacement = " kurang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mkan ", replacement = " makan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " enuak ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " muanteb ", replacement = " matap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dimaka ", replacement = " dimakan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " tulisa ", replacement = " tulisan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " beud ", replacement = " sangat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " loves ", replacement = " suka ")
corpus3 <- tm_map(corpus3, gsub, pattern = " lebi ", replacement = " lebih ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mnurut ", replacement = " menurut ")
corpus3 <- tm_map(corpus3, gsub, pattern = " trnyta ", replacement = " ternyata ")
corpus3 <- tm_map(corpus3, gsub, pattern = " shipment ", replacement = " pengiriman ")
corpus3 <- tm_map(corpus3, gsub, pattern = " merembes ", replacement = " rembes ")
corpus3 <- tm_map(corpus3, gsub, pattern = " simpenan ", replacement = " stok ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kadaluarsa ", replacement = " kedaluwarsa ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kedikitan ", replacement = " sedikit ")
corpus3 <- tm_map(corpus3, gsub, pattern = " peking ", replacement = " pengemasan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " cuminy ", replacement = " cumi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dmasak ", replacement = " dimasak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kepengen ", replacement = " ingin ")
corpus3 <- tm_map(corpus3, gsub, pattern = " candu ", replacement = " ketagihan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pedez ", replacement = " pedas ")
corpus3 <- tm_map(corpus3, gsub, pattern = " disc ", replacement = " diskon ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dinfokan ", replacement = " diinfokan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " antaraja ", replacement = " anteraja ")
corpus3 <- tm_map(corpus3, gsub, pattern = " warp ", replacement = " pembungkus ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kerdus ", replacement = " kardus ")
corpus3 <- tm_map(corpus3, gsub, pattern = " skin ", replacement = " kulit ")
corpus3 <- tm_map(corpus3, gsub, pattern = " wraped ", replacement = " terbungkus ")
corpus3 <- tm_map(corpus3, gsub, pattern = " gedean ", replacement = " lebih besar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " msih ", replacement = " masih ")
corpus3 <- tm_map(corpus3, gsub, pattern = " though ", replacement = " meskipun ")
corpus3 <- tm_map(corpus3, gsub, pattern = " weks ", replacement = " minggu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " reliable ", replacement = " andalan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pengirimany ", replacement = " pengiriman ")
corpus3 <- tm_map(corpus3, gsub, pattern = " meatles ", replacement = " vegetarian ")
corpus3 <- tm_map(corpus3, gsub, pattern = " shope ", replacement = " shopee ")
corpus3 <- tm_map(corpus3, gsub, pattern = " murce ", replacement = " murah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " betulan ", replacement = " betul ")
corpus3 <- tm_map(corpus3, gsub, pattern = " proces ", replacement = " proses ")

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corpus3 <- tm_map(corpus3, gsub, pattern = " plant ", replacement = " tumbuhan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " froze ", replacement = " beku ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sepedes ", replacement = " pedas ")
corpus3 <- tm_map(corpus3, gsub, pattern = " regular ", replacement = " reguler ")
corpus3 <- tm_map(corpus3, gsub, pattern = " comunicative ", replacement = " komunikatif ")
corpus3 <- tm_map(corpus3, gsub, pattern = " amazing ", replacement = " luarbiasa ")
corpus3 <- tm_map(corpus3, gsub, pattern = " fried ", replacement = " goreng ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dish ", replacement = " makanan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " brown ", replacement = " coklat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " caramel ", replacement = " karamel ")
corpus3 <- tm_map(corpus3, gsub, pattern = " expected ", replacement = " mengharapkan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " grabfod ", replacement = " grabfood ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pantes ", replacement = " pantas ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kuliner ", replacement = " makanan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " tsb ", replacement = " tersebut ")
corpus3 <- tm_map(corpus3, gsub, pattern = " peyananan ", replacement = " pelayanan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " most ", replacement = " paling ")
corpus3 <- tm_map(corpus3, gsub, pattern = " restora ", replacement = " restoran ")
corpus3 <- tm_map(corpus3, gsub, pattern = " restaurants ", replacement = " restoran ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bag ", replacement = " tas ")
corpus3 <- tm_map(corpus3, gsub, pattern = " minguan ", replacement = " minggu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " take ", replacement = " ambil ")
corpus3 <- tm_map(corpus3, gsub, pattern = " packaged ", replacement = " dikemas ")
corpus3 <- tm_map(corpus3, gsub, pattern = " endeuez ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sprt ", replacement = " seperti ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bangeth ", replacement = " sangat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " condiment ", replacement = " bumbu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ketebelan ", replacement = " ketebalan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " syedap ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " diupdate ", replacement = " diperbarui ")
corpus3 <- tm_map(corpus3, gsub, pattern = " uenaq ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kelg ", replacement = " keluarga ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kirimin ", replacement = " kirimkan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " seleraku ", replacement = " sekera ")
corpus3 <- tm_map(corpus3, gsub, pattern = " smrg ", replacement = " semarang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " testi ", replacement = " ulasan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " infokan ", replacement = " informasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ned ", replacement = " membutuhkan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kebayang ", replacement = " terbayang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kcl ", replacement = " kecil ")
corpus3 <- tm_map(corpus3, gsub, pattern = " recom ", replacement = " rekomendasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dterima ", replacement = " diterima ")
corpus3 <- tm_map(corpus3, gsub, pattern = " cilik ", replacement = " kecil ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bingkisan ", replacement = " bingkisan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ntaps ", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " divacum ", replacement = " vakum ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sambalado ", replacement = " sambal ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dikampung ", replacement = " kampung ")
corpus3 <- tm_map(corpus3, gsub, pattern = " banana ", replacement = " pisang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " whole ", replacement = " utuh ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dpn ", replacement = " depan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " aneka ", replacement = " variasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kusuka ", replacement = " suka ")
corpus3 <- tm_map(corpus3, gsub, pattern = " berlemak ", replacement = " lemak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " about ", replacement = " tentang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " enjoy ", replacement = " menikmati ")
corpus3 <- tm_map(corpus3, gsub, pattern = " acomodating ", replacement = " akomodatif ")
corpus3 <- tm_map(corpus3, gsub, pattern = " experience ", replacement = " pengalaman ")
corpus3 <- tm_map(corpus3, gsub, pattern = " africa ", replacement = " afrika ")
corpus3 <- tm_map(corpus3, gsub, pattern = " merchant ", replacement = " penjual ")
corpus3 <- tm_map(corpus3, gsub, pattern = " higinis ", replacement = " bersih ")
corpus3 <- tm_map(corpus3, gsub, pattern = " trasa ", replacement = " terasa ")
corpus3 <- tm_map(corpus3, gsub, pattern = " somay ", replacement = " siomay ")
corpus3 <- tm_map(corpus3, gsub, pattern = " cape ", replacement = " capek ")
corpus3 <- tm_map(corpus3, gsub, pattern = " cuko ", replacement = " cuka ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pedasny ", replacement = " pedas ")
corpus3 <- tm_map(corpus3, gsub, pattern = " makmal ", replacement = " dinner ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mpuk ", replacement = " empuk ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pakaging ", replacement = " kemasan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " aym ", replacement = " ayam ")
corpus3 <- tm_map(corpus3, gsub, pattern = " menyegarkan ", replacement = " segar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " shrimp ", replacement = " udang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " langgananlah ", replacement = " langganan ")

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corpus3 <- tm_map(corpus3, gsub, pattern = " egrol ", replacement = " eggroll ")
corpus3 <- tm_map(corpus3, gsub, pattern = " hot ", replacement = " panas ")
corpus3 <- tm_map(corpus3, gsub, pattern = " enaklah ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " halalan ", replacement = " halal ")
corpus3 <- tm_map(corpus3, gsub, pattern = " makanany ", replacement = " makanan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " recomendet ", replacement = " rekomendasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pds ", replacement = " pedas ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bapau ", replacement = " bakpao ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ludesh ", replacement = " habis ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mantablah ", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " tanding ", replacement = " kompetitor ")
corpus3 <- tm_map(corpus3, gsub, pattern = " stuf ", replacement = " produk ")
corpus3 <- tm_map(corpus3, gsub, pattern = " banar ", replacement = " benar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mengjabiskan ", replacement = " menghabiskan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " smpi ", replacement = " sampai ")
corpus3 <- tm_map(corpus3, gsub, pattern = " busines ", replacement = " bisnis ")

corpus3 <- tm_map(corpus3, gsub, pattern = " pengiriman ", replacement = " kirim ")
corpus3 <- tm_map(corpus3, gsub, pattern = " seler ", replacement = " penjual ")
corpus3 <- tm_map(corpus3, gsub, pattern = " barang ", replacement = " produk ")
corpus3 <- tm_map(corpus3, gsub, pattern = " banget ", replacement = " sangat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " recomended ", replacement = " rekomendasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bikin ", replacement = " membuat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pembelian ", replacement = " beli ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mantab ", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " belanja ", replacement = " beli ")
corpus3 <- tm_map(corpus3, gsub, pattern = " order ", replacement = " pesan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " fast ", replacement = " cepat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " memuaskan ", replacement = " puas ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dikirim ", replacement = " kirim ")
corpus3 <- tm_map(corpus3, gsub, pattern = " repeat ", replacement = " ulang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " langanan ", replacement = " langganan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mantul ", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " nagih ", replacement = " ketagihan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pedes ", replacement = " pedas ")
corpus3 <- tm_map(corpus3, gsub, pattern = " gambar ", replacement = " foto ")
corpus3 <- tm_map(corpus3, gsub, pattern = " digoreng ", replacement = " goreng ")
corpus3 <- tm_map(corpus3, gsub, pattern = " uenak ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " rapi ", replacement = " rapih ")
corpus3 <- tm_map(corpus3, gsub, pattern = " nambah ", replacement = " tambah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dicoba ", replacement = " coba ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dikasih ", replacement = " kasih ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sambel ", replacement = " sambal ")
corpus3 <- tm_map(corpus3, gsub, pattern = " cobain ", replacement = " coba ")
corpus3 <- tm_map(corpus3, gsub, pattern = " maknyus ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kiriman ", replacement = " kirim ")
corpus3 <- tm_map(corpus3, gsub, pattern = " fresh ", replacement = " segar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " cepet ", replacement = " cepat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pengemasan ", replacement = " kemasan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " packaging ", replacement = " kemasan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " crispy ", replacement = " krispi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dikemas ", replacement = " kemasan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " yumy ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " asem ", replacement = " asam ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ditambah ", replacement = " tambah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " varian ", replacement = " variasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mengobati ", replacement = " obat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " rekomen ", replacement = " rekomendasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " wrap ", replacement = " pembungkus ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mantep ", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dimasak ", replacement = " masak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " diproses ", replacement = " proses ")
corpus3 <- tm_map(corpus3, gsub, pattern = " diragukan ", replacement = " ragu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " frezer ", replacement = " freezer ")
corpus3 <- tm_map(corpus3, gsub, pattern = " best ", replacement = " terbaik ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dibungkus ", replacement = " kemasan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " same ", replacement = " sameday ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dibuka ", replacement = " buka ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pengirima ", replacement = " pengiriman ")
corpus3 <- tm_map(corpus3, gsub, pattern = " favorit ", replacement = " kesukaan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " lezat ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " berasa ", replacement = " rasa ")
corpus3 <- tm_map(corpus3, gsub, pattern = " berubah ", replacement = " ubah ")

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corpus3 <- tm_map(corpus3, gsub, pattern = " response ", replacement = " respon ")
corpus3 <- tm_map(corpus3, gsub, pattern = " makana ", replacement = " makanan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dilidah ", replacement = " lidah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " respo ", replacement = " respon ")
corpus3 <- tm_map(corpus3, gsub, pattern = " seger ", replacement = " segar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sampe ", replacement = " sampai ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dikit ", replacement = " sedikit ")
corpus3 <- tm_map(corpus3, gsub, pattern = " expired ", replacement = " kedaluwarsa ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mengecewakan ", replacement = " kecewa ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dicampur ", replacement = " campur ")
corpus3 <- tm_map(corpus3, gsub, pattern = " brg ", replacement = " produk ")
corpus3 <- tm_map(corpus3, gsub, pattern = " delivery ", replacement = " kirim ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mantabs ", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " repurchase ", replacement = " reorder ")
corpus3 <- tm_map(corpus3, gsub, pattern = " original ", replacement = " asli ")
corpus3 <- tm_map(corpus3, gsub, pattern = " vegan ", replacement = " vegetarian ")
corpus3 <- tm_map(corpus3, gsub, pattern = " berbicara ", replacement = " bicara ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pemesanan ", replacement = " pesan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pesen ", replacement = " pesan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " disimpan ", replacement = " simpan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " manunggu ", replacement = " menunggu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pelayana ", replacement = " pelayanan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " service ", replacement = " pelayanan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " difoto ", replacement = " foto ")
corpus3 <- tm_map(corpus3, gsub, pattern = " product ", replacement = " produk ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kirain ", replacement = " dikira ")
corpus3 <- tm_map(corpus3, gsub, pattern = " eunak ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dicobain ", replacement = " coba ")
corpus3 <- tm_map(corpus3, gsub, pattern = " rekomended ", replacement = " rekomendasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " orderan ", replacement = " pesanan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " coklat ", replacement = " cokelat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kemas ", replacement = " kemasan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " isian ", replacement = " isi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " muantap ", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " respons ", replacement = " respon ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bener ", replacement = " benar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mencicipi ", replacement = " cicip ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mantaps ", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dipanaskan ", replacement = " panas ")
corpus3 <- tm_map(corpus3, gsub, pattern = " cabe ", replacement = " cabai ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kedalam ", replacement = " dalam ")
corpus3 <- tm_map(corpus3, gsub, pattern = " masaka ", replacement = " masakan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " cpt ", replacement = " cepat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " panasin ", replacement = " panas ")
corpus3 <- tm_map(corpus3, gsub, pattern = " diluar ", replacement = " luar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bnyk ", replacement = " banyak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dipakai ", replacement = " pakai ")
corpus3 <- tm_map(corpus3, gsub, pattern = " terkirim ", replacement = " kirim ")
corpus3 <- tm_map(corpus3, gsub, pattern = " markotop ", replacement = " top ")
corpus3 <- tm_map(corpus3, gsub, pattern = " endul ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kedepan ", replacement = " depan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " recomend ", replacement = " rekomendasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dijual ", replacement = " jual ")
corpus3 <- tm_map(corpus3, gsub, pattern = " gede ", replacement = " besar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mencoba ", replacement = " coba ")
corpus3 <- tm_map(corpus3, gsub, pattern = " menerima ", replacement = " terima ")
corpus3 <- tm_map(corpus3, gsub, pattern = " taste ", replacement = " rasa ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dipesan ", replacement = " pesan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " crunchy ", replacement = " krispi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " baso ", replacement = " bakso ")
corpus3 <- tm_map(corpus3, gsub, pattern = " berulang ", replacement = " ulang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " always ", replacement = " selalu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " slalu ", replacement = " selalu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ditulis ", replacement = " tulis ")
corpus3 <- tm_map(corpus3, gsub, pattern = " belum ", replacement = " belum ")
corpus3 <- tm_map(corpus3, gsub, pattern = " update ", replacement = " diperbarui ")
corpus3 <- tm_map(corpus3, gsub, pattern = " tercium ", replacement = " cium ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ditunggu ", replacement = " tunggu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " wuenak ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " delicious ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dipisah ", replacement = " pisah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dimakan ", replacement = " makan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " terbuka ", replacement = " buka ")

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corpus3 <- tm_map(corpus3, gsub, pattern = " mantaf ", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " menyerap ", replacement = " serap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dikurangi ", replacement = " kurang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " disantap ", replacement = " santap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " again ", replacement = " lagi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " terobati ", replacement = " obat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " penampilan ", replacement = " tampilan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " not ", replacement = " tidak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " respond ", replacement = " respon ")
corpus3 <- tm_map(corpus3, gsub, pattern = " job ", replacement = " pekerjaan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " terbungkus ", replacement = " bungkus ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dikirimkan ", replacement = " kirim ")
corpus3 <- tm_map(corpus3, gsub, pattern = " cakep ", replacement = " bagus ")
corpus3 <- tm_map(corpus3, gsub, pattern = " berbau ", replacement = " bau ")
corpus3 <- tm_map(corpus3, gsub, pattern = " penggorengan ", replacement = " goreng ")
corpus3 <- tm_map(corpus3, gsub, pattern = " menghangatkan ", replacement = " hangat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dinikmati ", replacement = " nikmat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " menurutku ", replacement = " menurut ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dibeli ", replacement = " beli ")
corpus3 <- tm_map(corpus3, gsub, pattern = " berkualitas ", replacement = " kualitas ")
corpus3 <- tm_map(corpus3, gsub, pattern = " anget ", replacement = " hangat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " favorite ", replacement = " kesukaan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " merasakan ", replacement = " rasa ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dipotong ", replacement = " potong ")
corpus3 <- tm_map(corpus3, gsub, pattern = " overal ", replacement = " keseluruhan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " enk ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " hampers ", replacement = " bingkisan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " secepat ", replacement = " cepat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " blom ", replacement = " belum ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kremesa ", replacement = " kremesan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " menyetok ", replacement = " stok ")
corpus3 <- tm_map(corpus3, gsub, pattern = " traveling ", replacement = " pelesir ")
corpus3 <- tm_map(corpus3, gsub, pattern = " maknyos ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " manteb ", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " memesan ", replacement = " pesan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " membeli ", replacement = " beli ")
corpus3 <- tm_map(corpus3, gsub, pattern = " syuka ", replacement = " suka ")
corpus3 <- tm_map(corpus3, gsub, pattern = " wenak ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " exp ", replacement = " kedaluwarsa ")
corpus3 <- tm_map(corpus3, gsub, pattern = " menjaga ", replacement = " jaga ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kualitas ", replacement = " kualitas ")
corpus3 <- tm_map(corpus3, gsub, pattern = " berdaging ", replacement = " daging ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kerinduan ", replacement = " rindu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dihati ", replacement = " hati ")
corpus3 <- tm_map(corpus3, gsub, pattern = " terpercaya ", replacement = " percaya ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kehabisan ", replacement = " habis ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bingits ", replacement = " sangat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " diolah ", replacement = " olah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " berbumbu ", replacement = " bumbu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sory ", replacement = " maaf ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mayan ", replacement = " lumayan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " direspon ", replacement = " respon ")
corpus3 <- tm_map(corpus3, gsub, pattern = " blum ", replacement = " belum ")
corpus3 <- tm_map(corpus3, gsub, pattern = " menambah ", replacement = " tambah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sukak ", replacement = " suka ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kepedasan ", replacement = " pedas ")
corpus3 <- tm_map(corpus3, gsub, pattern = " enakan ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " memasak ", replacement = " masak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " fod ", replacement = " makanan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dikukus ", replacement = " kukus ")
corpus3 <- tm_map(corpus3, gsub, pattern = " keasinan ", replacement = " asin ")
corpus3 <- tm_map(corpus3, gsub, pattern = " endol ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " lumayanlah ", replacement = " lumayan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " menempel ", replacement = " tempel ")
corpus3 <- tm_map(corpus3, gsub, pattern = " penjualan ", replacement = " jual ")
corpus3 <- tm_map(corpus3, gsub, pattern = " berlangganan ", replacement = " langganan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " much ", replacement = " banyak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dilapisi ", replacement = " bungkus ")
corpus3 <- tm_map(corpus3, gsub, pattern = " terenak ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " diadakan ", replacement = " ada ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pesana ", replacement = " pesanan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dicicipi ", replacement = " cicip ")
corpus3 <- tm_map(corpus3, gsub, pattern = " excelent ", replacement = " bagus ")

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corpus3 <- tm_map(corpus3, gsub, pattern = " ijo ", replacement = " hijau ")
corpus3 <- tm_map(corpus3, gsub, pattern = " review ", replacement = " ulasan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kepedesan ", replacement = " pedas ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mantapz ", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kesegaran ", replacement = " segar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " shiping ", replacement = " kirim ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pengembalian ", replacement = " kembali ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kebesaran ", replacement = " besar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ditutup ", replacement = " tutup ")
corpus3 <- tm_map(corpus3, gsub, pattern = " stock ", replacement = " stok ")
corpus3 <- tm_map(corpus3, gsub, pattern = " memudahkan ", replacement = " mudah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dikembalikan ", replacement = " kembali ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sure ", replacement = " tentu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " responsive ", replacement = " responsif ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dibilang ", replacement = " bilang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " nice ", replacement = " bagus ")
corpus3 <- tm_map(corpus3, gsub, pattern = " love ", replacement = " suka ")
corpus3 <- tm_map(corpus3, gsub, pattern = " seneng ", replacement = " senang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bangetz ", replacement = " sangat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " quality ", replacement = " kualitas ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pete ", replacement = " petai ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kesukan ", replacement = " kesukaan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dilengkapi ", replacement = " lengkap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " digado ", replacement = " gado ")
corpus3 <- tm_map(corpus3, gsub, pattern = " luv ", replacement = " suka ")
corpus3 <- tm_map(corpus3, gsub, pattern = " terpisah ", replacement = " pisah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " panaskan ", replacement = " panas ")
corpus3 <- tm_map(corpus3, gsub, pattern = " packingan ", replacement = " packing ")
corpus3 <- tm_map(corpus3, gsub, pattern = " time ", replacement = " waktu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " muantep ", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " okay ", replacement = " oke ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mengikat ", replacement = " ikat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " suir ", replacement = " suwir ")
corpus3 <- tm_map(corpus3, gsub, pattern = " lebay ", replacement = " berlebihan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " paking ", replacement = " packing ")
corpus3 <- tm_map(corpus3, gsub, pattern = " endez ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " gendis ", replacement = " manis ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mengirim ", replacement = " kirim ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ditempat ", replacement = " tempat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " okelah ", replacement = " oke ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dibelikan ", replacement = " beli ")
corpus3 <- tm_map(corpus3, gsub, pattern = " menghabiskan ", replacement = " habis ")
corpus3 <- tm_map(corpus3, gsub, pattern = " cucok ", replacement = " cocok ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kebangetan ", replacement = " keterlaluhan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " berisi ", replacement = " isi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " memanggang ", replacement = " panggang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " next ", replacement = " berikut ")
corpus3 <- tm_map(corpus3, gsub, pattern = " hapy ", replacement = " bahagia ")
corpus3 <- tm_map(corpus3, gsub, pattern = " diserbu ", replacement = " serbu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " like ", replacement = " suka ")
corpus3 <- tm_map(corpus3, gsub, pattern = " done ", replacement = " sudah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dipanggang ", replacement = " panggang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " endeus ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pembelian ", replacement = " beli ")
corpus3 <- tm_map(corpus3, gsub, pattern = " endolita ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " nyobain ", replacement = " coba ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dirumah ", replacement = " rumah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " lom ", replacement = " belum ")
corpus3 <- tm_map(corpus3, gsub, pattern = " terdeskripsi ", replacement = " deskripsi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " fav ", replacement = " kesukaan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " diinfo ", replacement = " info ")
corpus3 <- tm_map(corpus3, gsub, pattern = " menyukai ", replacement = " suka ")
corpus3 <- tm_map(corpus3, gsub, pattern = " menyusul ", replacement = " usul ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ikutan ", replacement = " ikut ")
corpus3 <- tm_map(corpus3, gsub, pattern = " chef ", replacement = " koki ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mantaplah ", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mengantar ", replacement = " antar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dibuang ", replacement = " buang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bad ", replacement = " buruk ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ketebalan ", replacement = " tebal ")
corpus3 <- tm_map(corpus3, gsub, pattern = " membungkus ", replacement = " bungkus ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ati ", replacement = " hati ")
corpus3 <- tm_map(corpus3, gsub, pattern = " risol ", replacement = " risoles ")

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corpus3 <- tm_map(corpus3, gsub, pattern = "mntab", replacement = "mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = "subscribe", replacement = "langganan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "digadoin", replacement = "gado ")
corpus3 <- tm_map(corpus3, gsub, pattern = "smua", replacement = "semua ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dikonsumsi", replacement = "konsumsi ")
corpus3 <- tm_map(corpus3, gsub, pattern = "perpaduan", replacement = "perpaduan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "tasty", replacement = "rasa ")
corpus3 <- tm_map(corpus3, gsub, pattern = "direkomendasikan", replacement = "rekomendasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = "mengirimkan", replacement = "kirim ")
corpus3 <- tm_map(corpus3, gsub, pattern = "pengemasa", replacement = "kemasan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "byk", replacement = "banyak ")
corpus3 <- tm_map(corpus3, gsub, pattern = "eneg", replacement = "enek ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dicocol", replacement = "cocol ")
corpus3 <- tm_map(corpus3, gsub, pattern = "pack", replacement = "pak ")
corpus3 <- tm_map(corpus3, gsub, pattern = "cocolan", replacement = "cocol ")
corpus3 <- tm_map(corpus3, gsub, pattern = "didalam", replacement = "dalam ")
corpus3 <- tm_map(corpus3, gsub, pattern = "cemilan", replacement = "kudapan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "bgs", replacement = "bagus ")
corpus3 <- tm_map(corpus3, gsub, pattern = "gercep", replacement = "cepat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "diatas", replacement = "atas ")
corpus3 <- tm_map(corpus3, gsub, pattern = "kemahalan", replacement = "mahal ")
corpus3 <- tm_map(corpus3, gsub, pattern = "authentic", replacement = "otentik ")
corpus3 <- tm_map(corpus3, gsub, pattern = "ngangenin", replacement = "rindu ")
corpus3 <- tm_map(corpus3, gsub, pattern = "digigit", replacement = "gigit ")
corpus3 <- tm_map(corpus3, gsub, pattern = "lezato", replacement = "enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = "termakan", replacement = "makan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "melempem", replacement = "melempem ")
corpus3 <- tm_map(corpus3, gsub, pattern = "bertambah", replacement = "tambah ")
corpus3 <- tm_map(corpus3, gsub, pattern = "reseler", replacement = "reseller ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dapet", replacement = "dapat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dsni", replacement = "disini ")
corpus3 <- tm_map(corpus3, gsub, pattern = "penambah", replacement = "tambah ")
corpus3 <- tm_map(corpus3, gsub, pattern = "enaks", replacement = "enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = "memberitahukan", replacement = "tahu ")
corpus3 <- tm_map(corpus3, gsub, pattern = "say", replacement = "bicara ")
corpus3 <- tm_map(corpus3, gsub, pattern = "kelain", replacement = "lain ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dimasakkan", replacement = "masak ")
corpus3 <- tm_map(corpus3, gsub, pattern = "fres", replacement = "segar ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dsini", replacement = "disini ")
corpus3 <- tm_map(corpus3, gsub, pattern = "ukura", replacement = "ukuran ")
corpus3 <- tm_map(corpus3, gsub, pattern = "poko", replacement = "pokok ")
corpus3 <- tm_map(corpus3, gsub, pattern = "kekecilan", replacement = "kecil ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dikantor", replacement = "kantor ")
corpus3 <- tm_map(corpus3, gsub, pattern = "menolong", replacement = "tolong ")
corpus3 <- tm_map(corpus3, gsub, pattern = "rasany", replacement = "rasa ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dikulkas", replacement = "kulkas ")
corpus3 <- tm_map(corpus3, gsub, pattern = "wel", replacement = "baik ")
corpus3 <- tm_map(corpus3, gsub, pattern = "try", replacement = "coba ")
corpus3 <- tm_map(corpus3, gsub, pattern = "terpenting", replacement = "penting ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dituliskan", replacement = "tuliskan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "servis", replacement = "pelayanan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "terpanggang", replacement = "panggang ")
corpus3 <- tm_map(corpus3, gsub, pattern = "meningkatkan", replacement = "tingkat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "kelebihan", replacement = "lebih ")
corpus3 <- tm_map(corpus3, gsub, pattern = "keliatan", replacement = "lihat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "kualiatas", replacement = "kualitas ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dibawah", replacement = "bawah ")
corpus3 <- tm_map(corpus3, gsub, pattern = "kucoba", replacement = "coba ")
corpus3 <- tm_map(corpus3, gsub, pattern = "ditumis", replacement = "tumis ")
corpus3 <- tm_map(corpus3, gsub, pattern = "ayamny", replacement = "ayam ")
corpus3 <- tm_map(corpus3, gsub, pattern = "work", replacement = "kerja ")
corpus3 <- tm_map(corpus3, gsub, pattern = "chicken", replacement = "ayam ")
corpus3 <- tm_map(corpus3, gsub, pattern = "terkemas", replacement = "kemasan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "lidahku", replacement = "lidah ")
corpus3 <- tm_map(corpus3, gsub, pattern = "simple", replacement = "sederhana ")
corpus3 <- tm_map(corpus3, gsub, pattern = "murmer", replacement = "murah ")
corpus3 <- tm_map(corpus3, gsub, pattern = "buatku", replacement = "buat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "berhati", replacement = "hati ")
corpus3 <- tm_map(corpus3, gsub, pattern = "bosen", replacement = "bosan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "telor", replacement = "telur ")
corpus3 <- tm_map(corpus3, gsub, pattern = "menusuk", replacement = "tusuk ")
corpus3 <- tm_map(corpus3, gsub, pattern = "perubahan", replacement = "ubah ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dihari", replacement = "hari ")

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corpus3 <- tm_map(corpus3, gsub, pattern = " bertahan ", replacement = " tahan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " menyelesaikan ", replacement = " selesai ")
corpus3 <- tm_map(corpus3, gsub, pattern = " diambil ", replacement = " ambil ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dicek ", replacement = " cek ")
corpus3 <- tm_map(corpus3, gsub, pattern = " tertulis ", replacement = " tulis ")
corpus3 <- tm_map(corpus3, gsub, pattern = " detail ", replacement = " terperinci ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dagingny ", replacement = " daging ")
corpus3 <- tm_map(corpus3, gsub, pattern = " higienis ", replacement = " bersih ")
corpus3 <- tm_map(corpus3, gsub, pattern = " krenyes ", replacement = " renyah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " greget ", replacement = " gemas ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mengharapkan ", replacement = " harap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kematangan ", replacement = " matang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kesorean ", replacement = " sore ")
corpus3 <- tm_map(corpus3, gsub, pattern = " maknyuz ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " tambahkan ", replacement = " tambah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " nyesel ", replacement = " menyesal ")
corpus3 <- tm_map(corpus3, gsub, pattern = " terhitung ", replacement = " hitung ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dilapis ", replacement = " lapis ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ingatkan ", replacement = " ingat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " menyenangkan ", replacement = " senang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mendekati ", replacement = " dekat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bungkusan ", replacement = " kemasan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " repeated ", replacement = " ulang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " disarankan ", replacement = " saran ")
corpus3 <- tm_map(corpus3, gsub, pattern = " nugget ", replacement = " nuggett ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pembelajaran ", replacement = " belanja ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kirimkan ", replacement = " kirim ")
corpus3 <- tm_map(corpus3, gsub, pattern = " lezatos ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " disiapkan ", replacement = " siap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " tinggal ", replacement = " tinggal ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dtg ", replacement = " datang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " potonga ", replacement = " potongan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mntap ", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " disajikan ", replacement = " saji ")
corpus3 <- tm_map(corpus3, gsub, pattern = " luck ", replacement = " untung ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ontime ", replacement = " tepat waktu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " first ", replacement = " pertama ")
corpus3 <- tm_map(corpus3, gsub, pattern = " isia ", replacement = " isian ")
corpus3 <- tm_map(corpus3, gsub, pattern = " terbantu ", replacement = " bantu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dibantu ", replacement = " bantu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " restaurant ", replacement = " restoran ")
corpus3 <- tm_map(corpus3, gsub, pattern = " owner ", replacement = " pemilik ")
corpus3 <- tm_map(corpus3, gsub, pattern = " customer ", replacement = " pelanggan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " friendly ", replacement = " bersahabat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bermanfaat ", replacement = " manfaat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " keamanan ", replacement = " aman ")
corpus3 <- tm_map(corpus3, gsub, pattern = " layana ", replacement = " layanan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " temen ", replacement = " teman ")
corpus3 <- tm_map(corpus3, gsub, pattern = " disaat ", replacement = " saat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kelihata ", replacement = " lihat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kerumah ", replacement = " rumah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sekeluarga ", replacement = " keluarga ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mengganggu ", replacement = " ganggu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " perfect ", replacement = " sempurna ")
corpus3 <- tm_map(corpus3, gsub, pattern = " clear ", replacement = " jelas ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pelanggan ", replacement = " pelanggan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ena ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " request ", replacement = " permintaan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " berlanganan ", replacement = " langganan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " menyediakan ", replacement = " sedia ")
corpus3 <- tm_map(corpus3, gsub, pattern = " terbayar ", replacement = " bayar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " membalas ", replacement = " balas ")
corpus3 <- tm_map(corpus3, gsub, pattern = " seharga ", replacement = " harga ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pemilihan ", replacement = " pilih ")
corpus3 <- tm_map(corpus3, gsub, pattern = " expectation ", replacement = " ekspektasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " berharga ", replacement = " harga ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dapatkan ", replacement = " dapat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " penjelasan ", replacement = " jelas ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mengeluarkan ", replacement = " keluar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " juarak ", replacement = " juara ")
corpus3 <- tm_map(corpus3, gsub, pattern = " special ", replacement = " spesial ")
corpus3 <- tm_map(corpus3, gsub, pattern = " disikat ", replacement = " sikat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dijanjikan ", replacement = " janji ")

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corpus3 <- tm_map(corpus3, gsub, pattern = " terandakan ", replacement = " andal ")
corpus3 <- tm_map(corpus3, gsub, pattern = " buanget ", replacement = " sangat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mantabh ", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ful ", replacement = " penuh ")
corpus3 <- tm_map(corpus3, gsub, pattern = " prod ", replacement = " produksi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " berlapis ", replacement = " lapis ")
corpus3 <- tm_map(corpus3, gsub, pattern = " diminum ", replacement = " minum ")
corpus3 <- tm_map(corpus3, gsub, pattern = " packinga ", replacement = " packing ")
corpus3 <- tm_map(corpus3, gsub, pattern = " nyoba ", replacement = " coba ")
corpus3 <- tm_map(corpus3, gsub, pattern = " terlejut ", replacement = " terkejut ")
corpus3 <- tm_map(corpus3, gsub, pattern = " diikat ", replacement = " ikat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " great ", replacement = " hebat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mendukung ", replacement = " dukung ")
corpus3 <- tm_map(corpus3, gsub, pattern = " quick ", replacement = " cepat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mhantab ", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " asik ", replacement = " asyik ")
corpus3 <- tm_map(corpus3, gsub, pattern = " woke ", replacement = " oke ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mayanlah ", replacement = " lumayan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " serumah ", replacement = " rumah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dibuatkan ", replacement = " buat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sauce ", replacement = " saos ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kemaren ", replacement = " kemarin ")
corpus3 <- tm_map(corpus3, gsub, pattern = " vacum ", replacement = " vakum ")
corpus3 <- tm_map(corpus3, gsub, pattern = " penilaian ", replacement = " nilai ")
corpus3 <- tm_map(corpus3, gsub, pattern = " melancarkan ", replacement = " lancar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " merespon ", replacement = " respon ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bnar ", replacement = " benar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " gendhis ", replacement = " manis ")
corpus3 <- tm_map(corpus3, gsub, pattern = " yumi ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " prngiriman ", replacement = " pengiriman ")
corpus3 <- tm_map(corpus3, gsub, pattern = " terpacking ", replacement = " packing ")
corpus3 <- tm_map(corpus3, gsub, pattern = " persediaan ", replacement = " sedia ")
corpus3 <- tm_map(corpus3, gsub, pattern = " favorito ", replacement = " kesukaan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dibagi ", replacement = " bagi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " disertakan ", replacement = " serta ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ngeresep ", replacement = " resap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dalem ", replacement = " dalam ")
corpus3 <- tm_map(corpus3, gsub, pattern = " setiao ", replacement = " setiap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " thn ", replacement = " tahun ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mpai ", replacement = " sampai ")
corpus3 <- tm_map(corpus3, gsub, pattern = " seporsi ", replacement = " porsi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " makyus ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " lmy ", replacement = " lumayan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " harapkan ", replacement = " harap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " selerny ", replacement = " penjual ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sodara ", replacement = " saudara ")
corpus3 <- tm_map(corpus3, gsub, pattern = " berminyak ", replacement = " minyak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " store ", replacement = " toko ")
corpus3 <- tm_map(corpus3, gsub, pattern = " expres ", replacement = " cepat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dieksekusi ", replacement = " eksekusi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " org ", replacement = " orang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " malem ", replacement = " malam ")
corpus3 <- tm_map(corpus3, gsub, pattern = " betol ", replacement = " betul ")
corpus3 <- tm_map(corpus3, gsub, pattern = " loks ", replacement = " terlihat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mkn ", replacement = " makan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ngirim ", replacement = " kirim ")
corpus3 <- tm_map(corpus3, gsub, pattern = " diracik ", replacement = " racik ")
corpus3 <- tm_map(corpus3, gsub, pattern = " admi ", replacement = " admin ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ditelpon ", replacement = " telpon ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mengguman ", replacement = " gumam ")
corpus3 <- tm_map(corpus3, gsub, pattern = " penampaka ", replacement = " tampak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " suwiran ", replacement = " suwir ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mengikuti ", replacement = " ikut ")
corpus3 <- tm_map(corpus3, gsub, pattern = " keliatan ", replacement = " tampak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " merata ", replacement = " rata ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kliata ", replacement = " tampak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " juala ", replacement = " jual ")
corpus3 <- tm_map(corpus3, gsub, pattern = " hadeh ", replacement = " aduh ")
corpus3 <- tm_map(corpus3, gsub, pattern = " skl ", replacement = " sekali ")
corpus3 <- tm_map(corpus3, gsub, pattern = " permasalahan ", replacement = " masalah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " terbayarkan ", replacement = " bayar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " please ", replacement = " mohon ")
corpus3 <- tm_map(corpus3, gsub, pattern = " menipis ", replacement = " tipis ")

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corpus3 <- tm_map(corpus3, gsub, pattern = " diandalkan ", replacement = " andal ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kehujanan ", replacement = " hujan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " beredar ", replacement = " edar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " menghilang ", replacement = " hilang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " menggoda ", replacement = " goda ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pengepakan ", replacement = " kemasan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mantapo ", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dihabiskan ", replacement = " habis ")
corpus3 <- tm_map(corpus3, gsub, pattern = " memahami ", replacement = " paham ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bersemangat ", replacement = " semangat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kedepa ", replacement = " kedepan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " menghilangkan ", replacement = " hilang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " fix ", replacement = " tetap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " terbang ", replacement = " buang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " diubah ", replacement = " ubah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pendaftaran ", replacement = " daftar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " senilai ", replacement = " nilai ")
corpus3 <- tm_map(corpus3, gsub, pattern = " penamaan ", replacement = " nama ")
corpus3 <- tm_map(corpus3, gsub, pattern = " favoritku ", replacement = " kesukaan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " remahan ", replacement = " remah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " under ", replacement = " dibawah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sedep ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " memotong ", replacement = " potong ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dicari ", replacement = " cari ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dihapus ", replacement = " hapus ")
corpus3 <- tm_map(corpus3, gsub, pattern = " disediakan ", replacement = " sedia ")
corpus3 <- tm_map(corpus3, gsub, pattern = " tumisan ", replacement = " tumis ")
corpus3 <- tm_map(corpus3, gsub, pattern = " berguna ", replacement = " guna ")
corpus3 <- tm_map(corpus3, gsub, pattern = " perkiraan ", replacement = " kira ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sesuai ", replacement = " sesuai ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ever ", replacement = " pernah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " memanasakan ", replacement = " panas ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bnr ", replacement = " benar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " shipment ", replacement = " kirim ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ntah ", replacement = " entah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " disegel ", replacement = " segel ")
corpus3 <- tm_map(corpus3, gsub, pattern = " macem ", replacement = " macam ")
corpus3 <- tm_map(corpus3, gsub, pattern = " diinfokan ", replacement = " info ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kepuasan ", replacement = " puas ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pembungkus ", replacement = " bungkus ")
corpus3 <- tm_map(corpus3, gsub, pattern = " buble ", replacement = " bubble ")
corpus3 <- tm_map(corpus3, gsub, pattern = " peyananan ", replacement = " pelayanan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " restora ", replacement = " restoran ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ready ", replacement = " sedia ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kirima ", replacement = " kirim ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bong ", replacement = " bohong ")
corpus3 <- tm_map(corpus3, gsub, pattern = " diperbarui ", replacement = " diperbaharui ")
corpus3 <- tm_map(corpus3, gsub, pattern = " wedang ", replacement = " minuman ")
corpus3 <- tm_map(corpus3, gsub, pattern = " minggu ", replacement = " minggu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " uenaq ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " rekomendid ", replacement = " rekomendasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " town ", replacement = " kotak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " helpful ", replacement = " membantu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mengiurkan ", replacement = " goda ")
corpus3 <- tm_map(corpus3, gsub, pattern = " tergoda ", replacement = " goda ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mencelupkan ", replacement = " celup ")
corpus3 <- tm_map(corpus3, gsub, pattern = " teros ", replacement = " terus ")
corpus3 <- tm_map(corpus3, gsub, pattern = " matap ", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " somay ", replacement = " siomay ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ditrm ", replacement = " diterima ")
corpus3 <- tm_map(corpus3, gsub, pattern = " berbelanja ", replacement = " beli ")
corpus3 <- tm_map(corpus3, gsub, pattern = " box ", replacement = " kotak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kedlm ", replacement = " dalam ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ludesh ", replacement = " habis ")
corpus3 <- tm_map(corpus3, gsub, pattern = " soalny ", replacement = " soalnya ")
corpus3 <- tm_map(corpus3, gsub, pattern = " stars ", replacement = " bintang ")

```

```

corpus3 <- tm_map(corpus3, gsub, pattern = " seler ", replacement = "penjual")
corpus3 <- tm_map(corpus3, gsub, pattern = " pengiriman ", replacement = "kirim")
corpus3 <- tm_map(corpus3, gsub, pattern = " banget ", replacement = "sangat")
corpus3 <- tm_map(corpus3, gsub, pattern = " recommended ", replacement = "rekomendasi")
corpus3 <- tm_map(corpus3, gsub, pattern = " mantab ", replacement = "mantap")

```

```

corpus3 <- tm_map(corpus3, gsub, pattern = " order ", replacement = "pesan")
corpus3 <- tm_map(corpus3, gsub, pattern = " fast ", replacement = "cepat")
corpus3 <- tm_map(corpus3, gsub, pattern = " repeat ", replacement = "ulang")
corpus3 <- tm_map(corpus3, gsub, pattern = " langanan ", replacement = "langganan")
corpus3 <- tm_map(corpus3, gsub, pattern = " mantul ", replacement = "mantap")
corpus3 <- tm_map(corpus3, gsub, pattern = " pembelian ", replacement = "beli")
corpus3 <- tm_map(corpus3, gsub, pattern = " pedes ", replacement = "pedas")
corpus3 <- tm_map(corpus3, gsub, pattern = " memuaskan ", replacement = "puas")
corpus3 <- tm_map(corpus3, gsub, pattern = " uenak ", replacement = "enak")
corpus3 <- tm_map(corpus3, gsub, pattern = " seler ", replacement = " penjual ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pengiriman ", replacement = " kirim ")
corpus3 <- tm_map(corpus3, gsub, pattern = " banget ", replacement = " sangat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " recomended ", replacement = " rekomendasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mantab ", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " order ", replacement = " pesan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " fast ", replacement = " cepat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " repeat ", replacement = " ulang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " langanan ", replacement = " langganan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mantul ", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pembelian ", replacement = " beli ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pedes ", replacement = " pedas ")
corpus3 <- tm_map(corpus3, gsub, pattern = " memuaskan ", replacement = " puas ")
corpus3 <- tm_map(corpus3, gsub, pattern = " uenak ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " rapi ", replacement = " rapih ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kangen ", replacement = " rindu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sambel ", replacement = " sambal ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dicoba ", replacement = " coba ")
corpus3 <- tm_map(corpus3, gsub, pattern = " maknyus ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " menyesal ", replacement = " kesal ")
corpus3 <- tm_map(corpus3, gsub, pattern = " fresh ", replacement = " segar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " cepet ", replacement = " cepat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " packaging ", replacement = " kemasan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sale ", replacement = " jual ")
corpus3 <- tm_map(corpus3, gsub, pattern = " yummy ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " flash ", replacement = " cepat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mantep ", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " membantu ", replacement = " bantu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " best ", replacement = " terbaik ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pengirima ", replacement = " kirim ")
corpus3 <- tm_map(corpus3, gsub, pattern = " favorit ", replacement = " kesukaan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " lezat ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " response ", replacement = " respon ")
corpus3 <- tm_map(corpus3, gsub, pattern = " makana ", replacement = " makanan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " respo ", replacement = " respon ")
corpus3 <- tm_map(corpus3, gsub, pattern = " seger ", replacement = " segar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sampe ", replacement = " sampai ")
corpus3 <- tm_map(corpus3, gsub, pattern = " brg ", replacement = " produk ")
corpus3 <- tm_map(corpus3, gsub, pattern = " delivery ", replacement = " kirim ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mantabs ", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kiriman ", replacement = " kirim ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pesen ", replacement = " pesan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pelayana ", replacement = " pelayanan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " service ", replacement = " pelayanan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " repurchase ", replacement = " reorder ")
corpus3 <- tm_map(corpus3, gsub, pattern = " product ", replacement = " produk ")
corpus3 <- tm_map(corpus3, gsub, pattern = " instant ", replacement = " instan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mengecewakan ", replacement = " kecewa ")
corpus3 <- tm_map(corpus3, gsub, pattern = " eunak ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " rekomended ", replacement = " rekomendasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " orderan ", replacement = " pesanan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " endes ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kemanisan ", replacement = " manis ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kemasa ", replacement = " kemasan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " muantap ", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " rumahan ", replacement = " rumah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " respons ", replacement = " respon ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bener ", replacement = " benar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dipanasin ", replacement = " panas ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mantaps ", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " cabe ", replacement = " cabai ")
corpus3 <- tm_map(corpus3, gsub, pattern = " masaka ", replacement = " makanan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " cpt ", replacement = " cepat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bnyk ", replacement = " banyak ")

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corpus3 <- tm_map(corpus3, gsub, pattern = " dikirim ", replacement = " kirim ")
corpus3 <- tm_map(corpus3, gsub, pattern = " markotop ", replacement = " top ")
corpus3 <- tm_map(corpus3, gsub, pattern = " recomend ", replacement = " rekomendasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " taste ", replacement = " rasa ")
corpus3 <- tm_map(corpus3, gsub, pattern = " baso ", replacement = " bakso ")
corpus3 <- tm_map(corpus3, gsub, pattern = " always ", replacement = " selalu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " endul ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " slalu ", replacement = " selalu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " belum ", replacement = " belum ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kudapan ", replacement = " camilan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " crispy ", replacement = " krispi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " wuenak ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " delicious ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mantaf ", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " abis ", replacement = " habis ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dimakan ", replacement = " makan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " not ", replacement = " bukan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " respond ", replacement = " respon ")
corpus3 <- tm_map(corpus3, gsub, pattern = " berkualitas ", replacement = " kualitas ")
corpus3 <- tm_map(corpus3, gsub, pattern = " anget ", replacement = " hangat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " berbicara ", replacement = " bicara ")
corpus3 <- tm_map(corpus3, gsub, pattern = " gede ", replacement = " besar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " again ", replacement = " lagi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " rekomen ", replacement = " rekomendasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " favorite ", replacement = " kesukaan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pengemasan ", replacement = " kemasan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kecepatan ", replacement = " cepat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " asem ", replacement = " asam ")
corpus3 <- tm_map(corpus3, gsub, pattern = " overal ", replacement = " keseluruhan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " enk ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " hampers ", replacement = " bingkisan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " blom ", replacement = " belum ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kremesa ", replacement = " kremesan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " traveling ", replacement = " pelesir ")
corpus3 <- tm_map(corpus3, gsub, pattern = " maknyos ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ajib ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " manteb ", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bikin ", replacement = " membuat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " syuka ", replacement = " suka ")
corpus3 <- tm_map(corpus3, gsub, pattern = " wenak ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " original ", replacement = " asli ")
corpus3 <- tm_map(corpus3, gsub, pattern = " exp ", replacement = " kedaluwarsa ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kualitas ", replacement = " kualitas ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bingits ", replacement = " sangat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sory ", replacement = " maaf ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mayan ", replacement = " lumayan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " blum ", replacement = " belum ")
corpus3 <- tm_map(corpus3, gsub, pattern = " digoreng ", replacement = " goreng ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sukak ", replacement = " suka ")
corpus3 <- tm_map(corpus3, gsub, pattern = " frezer ", replacement = " freezer ")
corpus3 <- tm_map(corpus3, gsub, pattern = " fod ", replacement = " makanan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pesenan ", replacement = " pesanan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " keasinan ", replacement = " asin ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dibakar ", replacement = " bakar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " endol ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " lumayanlah ", replacement = " lumayan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pemesanan ", replacement = " pesanan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " much ", replacement = " banyak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " terenak ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kemas ", replacement = " kemasan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pesana ", replacement = " pesanan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " penyuka ", replacement = " suka ")
corpus3 <- tm_map(corpus3, gsub, pattern = " menggugah ", replacement = " gugah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " excelent ", replacement = " sempurna ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ijo ", replacement = " hijau ")
corpus3 <- tm_map(corpus3, gsub, pattern = " review ", replacement = " ulasan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mantapz ", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " shiping ", replacement = " kiriman ")
corpus3 <- tm_map(corpus3, gsub, pattern = " stock ", replacement = " stok ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sure ", replacement = " tentu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " responsive ", replacement = " responsif ")
corpus3 <- tm_map(corpus3, gsub, pattern = " nice ", replacement = " bagus ")
corpus3 <- tm_map(corpus3, gsub, pattern = " love ", replacement = " cinta ")

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corpus3 <- tm_map(corpus3, gsub, pattern = " seneng ", replacement = " senang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bangets ", replacement = " sangat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " quality ", replacement = " kualitas ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kesukan ", replacement = " kesukaan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " luv ", replacement = " cinta ")
corpus3 <- tm_map(corpus3, gsub, pattern = " cobain ", replacement = " coba ")
corpus3 <- tm_map(corpus3, gsub, pattern = " packingan ", replacement = " packing ")
corpus3 <- tm_map(corpus3, gsub, pattern = " time ", replacement = " waktu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " muantep ", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mengobati ", replacement = " obat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " okay ", replacement = " oke ")
corpus3 <- tm_map(corpus3, gsub, pattern = " paking ", replacement = " packing ")
corpus3 <- tm_map(corpus3, gsub, pattern = " endez ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " gendis ", replacement = " manis ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ekspetasi ", replacement = " ekspektasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " okelah ", replacement = " oke ")
corpus3 <- tm_map(corpus3, gsub, pattern = " cucok ", replacement = " cocok ")
corpus3 <- tm_map(corpus3, gsub, pattern = " next ", replacement = " berikut ")
corpus3 <- tm_map(corpus3, gsub, pattern = " hapy ", replacement = " bahagia ")
corpus3 <- tm_map(corpus3, gsub, pattern = " like ", replacement = " suka ")
corpus3 <- tm_map(corpus3, gsub, pattern = " done ", replacement = " sudah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " endeus ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " endolita ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " nyobain ", replacement = " coba ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dikemas ", replacement = " kemasan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " lom ", replacement = " belum ")
corpus3 <- tm_map(corpus3, gsub, pattern = " fav ", replacement = " kesukaan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dipesan ", replacement = " pesanan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " chef ", replacement = " koki ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mantaplah ", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bad ", replacement = " buruk ")
corpus3 <- tm_map(corpus3, gsub, pattern = " expired ", replacement = " kadaluwarsa ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ati ", replacement = " hati ")
corpus3 <- tm_map(corpus3, gsub, pattern = " risol ", replacement = " risoles ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mntab ", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " subscribe ", replacement = " langganan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " smua ", replacement = " semua ")
corpus3 <- tm_map(corpus3, gsub, pattern = " tasty ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pengemasa ", replacement = " kemasan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " byk ", replacement = " banyak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " eneg ", replacement = " enek ")
corpus3 <- tm_map(corpus3, gsub, pattern = " worth ", replacement = " sepadan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bgs ", replacement = " bagus ")
corpus3 <- tm_map(corpus3, gsub, pattern = " gercep ", replacement = " cepat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dinikmati ", replacement = " nikmat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " authentic ", replacement = " otentik ")
corpus3 <- tm_map(corpus3, gsub, pattern = " terobati ", replacement = " obat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " lezato ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " reseler ", replacement = " reseller ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dapet ", replacement = " dapat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dsni ", replacement = " disini ")
corpus3 <- tm_map(corpus3, gsub, pattern = " enaks ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " say ", replacement = " bicara ")
corpus3 <- tm_map(corpus3, gsub, pattern = " fres ", replacement = " segar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dsini ", replacement = " disini ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ukura ", replacement = " ukuran ")
corpus3 <- tm_map(corpus3, gsub, pattern = " poko ", replacement = " pokok ")
corpus3 <- tm_map(corpus3, gsub, pattern = " rasany ", replacement = " rasa ")
corpus3 <- tm_map(corpus3, gsub, pattern = " wel ", replacement = " baik ")
corpus3 <- tm_map(corpus3, gsub, pattern = " try ", replacement = " coba ")
corpus3 <- tm_map(corpus3, gsub, pattern = " servis ", replacement = " pelayanan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kado ", replacement = " bingkisan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " keliata ", replacement = " tampilan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ayamny ", replacement = " ayam ")
corpus3 <- tm_map(corpus3, gsub, pattern = " work ", replacement = " kerja ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pack ", replacement = " pak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " chicken ", replacement = " ayam ")
corpus3 <- tm_map(corpus3, gsub, pattern = " simple ", replacement = " sederhana ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dilidah ", replacement = " lidah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dagingny ", replacement = " daging ")
corpus3 <- tm_map(corpus3, gsub, pattern = " menyusul ", replacement = " usul ")
corpus3 <- tm_map(corpus3, gsub, pattern = " higienis ", replacement = " bersih ")
corpus3 <- tm_map(corpus3, gsub, pattern = " maknyuz ", replacement = " enak ")

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corpus3 <- tm_map(corpus3, gsub, pattern = "nyesal", replacement = "menyesal ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dirumah", replacement = "rumah ")
corpus3 <- tm_map(corpus3, gsub, pattern = "repeated", replacement = "ulang ")
corpus3 <- tm_map(corpus3, gsub, pattern = "nugget", replacement = "nuggett ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dihati", replacement = "hati ")
corpus3 <- tm_map(corpus3, gsub, pattern = "lezatos", replacement = "enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = "tingal", replacement = "tinggal ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dtg", replacement = "datang ")
corpus3 <- tm_map(corpus3, gsub, pattern = "potonga", replacement = "potongan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "mntap", replacement = "mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = "luck", replacement = "untung ")
corpus3 <- tm_map(corpus3, gsub, pattern = "ontime", replacement = "tepat waktu ")
corpus3 <- tm_map(corpus3, gsub, pattern = "first", replacement = "pertama ")
corpus3 <- tm_map(corpus3, gsub, pattern = "isia", replacement = "isian ")
corpus3 <- tm_map(corpus3, gsub, pattern = "restaurant", replacement = "restoran ")
corpus3 <- tm_map(corpus3, gsub, pattern = "owner", replacement = "pemilik ")
corpus3 <- tm_map(corpus3, gsub, pattern = "customer", replacement = "pelanggan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "friendly", replacement = "bersahabat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "layana", replacement = "layanan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dikurangi", replacement = "kurang ")
corpus3 <- tm_map(corpus3, gsub, pattern = "kelihata", replacement = "lihat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "sekeluarga", replacement = "keluarga ")
corpus3 <- tm_map(corpus3, gsub, pattern = "telor", replacement = "telur ")
corpus3 <- tm_map(corpus3, gsub, pattern = "perfect", replacement = "sempurna ")
corpus3 <- tm_map(corpus3, gsub, pattern = "clear", replacement = "jelas ")
corpus3 <- tm_map(corpus3, gsub, pattern = "pelangan", replacement = "pelanggan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "ena", replacement = "enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = "difoto", replacement = "foto ")
corpus3 <- tm_map(corpus3, gsub, pattern = "request", replacement = "permintaan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "berlanganan", replacement = "langganan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "berubah", replacement = "ubah ")
corpus3 <- tm_map(corpus3, gsub, pattern = "expectation", replacement = "ekspektasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dapatkan", replacement = "dapat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dibuang", replacement = "buang ")
corpus3 <- tm_map(corpus3, gsub, pattern = "juarak", replacement = "juara ")
corpus3 <- tm_map(corpus3, gsub, pattern = "special", replacement = "spesial ")
corpus3 <- tm_map(corpus3, gsub, pattern = "buanget", replacement = "sangat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "mantabh", replacement = "mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = "ful", replacement = "penuh ")
corpus3 <- tm_map(corpus3, gsub, pattern = "prod", replacement = "produksi ")
corpus3 <- tm_map(corpus3, gsub, pattern = "packinga", replacement = "packing ")
corpus3 <- tm_map(corpus3, gsub, pattern = "nyoba", replacement = "coba ")
corpus3 <- tm_map(corpus3, gsub, pattern = "terlejut", replacement = "terkejut ")
corpus3 <- tm_map(corpus3, gsub, pattern = "great", replacement = "hebat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "quick", replacement = "cepat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "mhantab", replacement = "mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = "asik", replacement = "asyik ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dikasih", replacement = "kasih ")
corpus3 <- tm_map(corpus3, gsub, pattern = "woke", replacement = "oke ")
corpus3 <- tm_map(corpus3, gsub, pattern = "mayanlah", replacement = "lumayan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "coklat", replacement = "cokelat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "kemaren", replacement = "kemarin ")
corpus3 <- tm_map(corpus3, gsub, pattern = "vacum", replacement = "vakum ")
corpus3 <- tm_map(corpus3, gsub, pattern = "bnar", replacement = "benar ")
corpus3 <- tm_map(corpus3, gsub, pattern = "gendhis", replacement = "manis ")
corpus3 <- tm_map(corpus3, gsub, pattern = "yumi", replacement = "enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = "prngiriman", replacement = "pengiriman ")
corpus3 <- tm_map(corpus3, gsub, pattern = "terpercaya", replacement = "percaya ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dikonsumsi", replacement = "konsumsi ")
corpus3 <- tm_map(corpus3, gsub, pattern = "favorito", replacement = "kesukaan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "ngeresep", replacement = "resap ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dalem", replacement = "dalam ")
corpus3 <- tm_map(corpus3, gsub, pattern = "setiao", replacement = "setiap ")
corpus3 <- tm_map(corpus3, gsub, pattern = "mpai", replacement = "sampai ")
corpus3 <- tm_map(corpus3, gsub, pattern = "berbumbu", replacement = "bumbu ")
corpus3 <- tm_map(corpus3, gsub, pattern = "secepat", replacement = "cepat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "makyus", replacement = "enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = "lmy", replacement = "lumayan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "harapkan", replacement = "harap ")
corpus3 <- tm_map(corpus3, gsub, pattern = "selerny", replacement = "penjual ")
corpus3 <- tm_map(corpus3, gsub, pattern = "sodara", replacement = "saudara ")
corpus3 <- tm_map(corpus3, gsub, pattern = "store", replacement = "toko ")
corpus3 <- tm_map(corpus3, gsub, pattern = "expres", replacement = "cepat ")

```

```

corpus3 <- tm_map(corpus3, gsub, pattern = " org ", replacement = " orang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " malem ", replacement = " malam ")
corpus3 <- tm_map(corpus3, gsub, pattern = " betol ", replacement = " betul ")
corpus3 <- tm_map(corpus3, gsub, pattern = " temen ", replacement = " teman ")
corpus3 <- tm_map(corpus3, gsub, pattern = " loks ", replacement = " terlihat ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dicobain ", replacement = " coba ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mkn ", replacement = " makan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ngirim ", replacement = " kirim ")
corpus3 <- tm_map(corpus3, gsub, pattern = " admi ", replacement = " admin ")
corpus3 <- tm_map(corpus3, gsub, pattern = " dimasak ", replacement = " masak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " penampaka ", replacement = " tampak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " keliatan ", replacement = " tampak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kliata ", replacement = " tampak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " juala ", replacement = " jual ")
corpus3 <- tm_map(corpus3, gsub, pattern = " hadeh ", replacement = " aduh ")
corpus3 <- tm_map(corpus3, gsub, pattern = " skl ", replacement = " sekali ")
corpus3 <- tm_map(corpus3, gsub, pattern = " please ", replacement = " mohon ")
corpus3 <- tm_map(corpus3, gsub, pattern = " pengepakan ", replacement = " kemasan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mantapo ", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kedepa ", replacement = " kedepan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " disantap ", replacement = " santap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " diluar ", replacement = " luar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " fix ", replacement = " tetap ")
corpus3 <- tm_map(corpus3, gsub, pattern = " favoritku ", replacement = " kesukaan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " under ", replacement = " dibawah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sedep ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " sesui ", replacement = " sesuai ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ever ", replacement = " pernah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mencoba ", replacement = " coba ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bnr ", replacement = " benar ")
corpus3 <- tm_map(corpus3, gsub, pattern = " shipment ", replacement = " kirim ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ntah ", replacement = " entah ")
corpus3 <- tm_map(corpus3, gsub, pattern = " berulang ", replacement = " ulang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bubble ", replacement = " bubble ")
corpus3 <- tm_map(corpus3, gsub, pattern = " menyenangkan ", replacement = " senang ")
corpus3 <- tm_map(corpus3, gsub, pattern = " peyananan ", replacement = " pelayanan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " restora ", replacement = " restoran ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ready ", replacement = " sedia ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kirima ", replacement = " kirim ")
corpus3 <- tm_map(corpus3, gsub, pattern = " bong ", replacement = " bohong ")
corpus3 <- tm_map(corpus3, gsub, pattern = " wedang ", replacement = " minuman ")
corpus3 <- tm_map(corpus3, gsub, pattern = " minggu ", replacement = " minggu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " uenaq ", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " rekomendid ", replacement = " rekomendasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = " town ", replacement = " kotak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " helpful ", replacement = " membantu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " mengiurkan ", replacement = " goda ")
corpus3 <- tm_map(corpus3, gsub, pattern = " diragukan ", replacement = " ragu ")
corpus3 <- tm_map(corpus3, gsub, pattern = " teros ", replacement = " terus ")
corpus3 <- tm_map(corpus3, gsub, pattern = " somay ", replacement = " siomay ")
corpus3 <- tm_map(corpus3, gsub, pattern = " cemilan ", replacement = " kudapan ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ditrm ", replacement = " diterima ")
corpus3 <- tm_map(corpus3, gsub, pattern = " box ", replacement = " kotak ")
corpus3 <- tm_map(corpus3, gsub, pattern = " kedlm ", replacement = " dalam ")
corpus3 <- tm_map(corpus3, gsub, pattern = " ludesh ", replacement = " habis ")
corpus3 <- tm_map(corpus3, gsub, pattern = " soalny ", replacement = " soalnya ")
corpus3 <- tm_map(corpus3, gsub, pattern = " stars ", replacement = " bintang ")

corpus3 <- tm_map(corpus3, gsub, pattern = "seler", replacement = " penjual ")
corpus3 <- tm_map(corpus3, gsub, pattern = "pengiriman", replacement = " kirim ")
corpus3 <- tm_map(corpus3, gsub, pattern = "banget", replacement = " sangat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "recomended", replacement = " rekomendasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = "mantab", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = "fast", replacement = " cepat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "repeat", replacement = " ulang ")
corpus3 <- tm_map(corpus3, gsub, pattern = "mantul", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = "pembelian", replacement = " beli ")
corpus3 <- tm_map(corpus3, gsub, pattern = "pedes", replacement = " pedas ")
corpus3 <- tm_map(corpus3, gsub, pattern = "memuaskan", replacement = " puas ")
corpus3 <- tm_map(corpus3, gsub, pattern = "uenak", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = "sambel", replacement = " sambal ")
corpus3 <- tm_map(corpus3, gsub, pattern = "maknyus", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = "fresh", replacement = " segar ")

```

```

corpus3 <- tm_map(corpus3, gsub, pattern = "cepat", replacement = " cepat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "yummy", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = "mantep", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = "best", replacement = " terbaik ")
corpus3 <- tm_map(corpus3, gsub, pattern = "pengirima", replacement = " kirim ")
corpus3 <- tm_map(corpus3, gsub, pattern = "nagih", replacement = " ketagihan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "favorit", replacement = " kesukaan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "response", replacement = " respon ")
corpus3 <- tm_map(corpus3, gsub, pattern = "makana", replacement = " makanan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "sehari", replacement = " respon ")
corpus3 <- tm_map(corpus3, gsub, pattern = "seger", replacement = " segar ")
corpus3 <- tm_map(corpus3, gsub, pattern = "sampe", replacement = " sampai ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dikit", replacement = " sedikit ")
corpus3 <- tm_map(corpus3, gsub, pattern = "brg", replacement = " produk ")
corpus3 <- tm_map(corpus3, gsub, pattern = "delivery", replacement = " kirim ")
corpus3 <- tm_map(corpus3, gsub, pattern = "mantabs", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = "kiriman", replacement = " kirim ")

corpus3 <- tm_map(corpus3, gsub, pattern = "langanan", replacement = " langganan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "rapi", replacement = " rapih ")

#hilangkan emoji
corpus3 <- tm_map(corpus3, gsub,
  pattern = "[^\x01-\x7F]",
  replacement = "")
corpus3 <- tm_map(corpus3, removeWords, id_stopwords)
#buat dokumen matrix untuk mengetahui kemunculan kata-kata
tdm3 <- TermDocumentMatrix(corpus3)
tdm3
tdm3 <- as.matrix(tdm3)
tdm3[1:10, 1:20]
#barplot
w3 <- rowSums(tdm3)
w3 <- subset(w3, w3>=116)
w3 <- sort(w3,decreasing = TRUE)
barplot(w3,Las = 2, col = rainbow(50))
print(w3)
#ubah jadi CSV
df3 <- data.frame(word = names(w3), freq = w3)
write.csv(x=df3, file = "frekuensi_makanan_tokopedia.csv", row.names = FALSE)

#word cloud
library(wordcloud)
set.seed(10)
wordcloud(words = df3$word, freq = df3$freq, min.freq = 116, random.order=FALSE, rot.per=0.35,
  colors=brewer.pal(8, "Dark2"))

dt3 <- read_xlsx("D:\\Pascasarjana\\TESIS\\Makanan_Tokopedia\\indonesian_sentiment_words.xlsx", sheet =
1)
pos <- dt3$word[dt3$sentiment == "positive"]
neg <- dt3$word[dt3$sentiment == "negative"]
print (pos)
print (neg)

#sentiment scoring analysis
sentiment_scoring <- function(texts, pos_words, neg_words, defined_aspects){
  all_words <- strsplit(texts, "\\s+")
  scores <- c()
  overall <- c()
  positives <- list()
  negatives <- list()
  aspects <- list()
  for (words in all_words){
    pos_matches <- !is.na(match(words, pos_words))
    neg_matches <- !is.na(match(words, neg_words))
    score <- sum(pos_matches) - sum(neg_matches)
    positive <- intersect(words, pos_words)
    negative <- intersect(words, neg_words)
    aspect <- intersect(words, defined_aspects)
    scores <- append(scores, score)
    positives <- append(positives, list(positive))
    negatives <- append(negatives, list(negative))
    aspects <- append(aspects, list(aspect))
  }
}

```



```

if (score <0){
  overall <- append(overall, "negative")
}else if (score>0){
  overall <- append(overall, "positive")
} else {
  overall <- append(overall, "mix/neutral")
}
}
}
result_df <- data.frame(text = texts, score = scores, overall_sentiment= overall)
result_df$positive_words <- as.matrix(positives)
result_df$negative_words <- as.matrix(negatives)
result_df$aspects <- as.matrix(aspects)
return(result_df)
}
asp <-
c("enak", "cepat", "kirim", "penjual", "pesanan", "ayam", "beli", "respon", "pedas", "bumbu", "sesuai", "packing", "produk",
"sambal", "daging", "kemasan", "makan", "pesan", "ramah", "makanan", "diterima", "dendeng", "lumpia", "pelayanan",
barang", "langganan", "rendang", "goreng", "harga", "gurih", "responsif", "paket", "cabai", "cumi", "deskripsi", "nasi", "pro
ses", "asin", "isi", "semarang", "foto", "order", "saos", "balado", "paru", "lidah", "hijau", "toko", "masak", "ukuran", "teri", "po
rsi", "panas", "level", "bawang", "hangat", "bonus", "rumah", "kremes", "orang", "puasa", "murah", "bersih", "stok", "menu",
"admin", "ulasan", "kurir", "jual", "keras", "kotak", "plastik", "kacang", "hati", "reorder", "frozen", "tempe", "lauk", "lengka
p", "rapih", "komunikatif")
results <- sentiment_scoring(get("content", corpus3), pos, neg, asp)
View(results)
write.csv(x = as.matrix(results), file = "results_makanan_tokopedia.csv", row.names = FALSE)

#Deeper Analysis
analyze_sentiment <- function(pos_words, neg_words, name = "all", path = ""){
  tryCatch({
    pos_corpus <- Reduce(c, pos_words)
    pos_corpus <- Corpus(VectorSource(pos_corpus))
    pos_tdm <- TermDocumentMatrix(pos_corpus)
    pos_tdm <- as.matrix(pos_tdm)
    pos_w <- rowSums(pos_tdm)
    pos_w <- sort(pos_w, decreasing = TRUE)
    png(filename = sprintf ("%s%s_positive.png", path, name))
    barplot(pos_w, las = 2, col = 'green')
    dev.off()
  }, error = function(e) {cat("ERROR :", conditionMessage(e), "\n")})

  tryCatch({
    neg_corpus <- Reduce(c, neg_words)
    neg_corpus <- Corpus(VectorSource(neg_corpus))
    neg_tdm <- TermDocumentMatrix(neg_corpus)
    neg_tdm <- as.matrix(neg_tdm)
    neg_w <- rowSums(neg_tdm)
    neg_w <- sort(neg_w, decreasing = TRUE)
    png(filename = sprintf ("%s%s_negative.png", path, name))
    barplot(neg_w, las = 2, col = 'red')
    dev.off()
  }, error = function(e) {cat("ERROR :", conditionMessage(e), "\n")})
}
analyze_sentiment(results$positive_words, results$negative_words)
neg_corpus1 <- Reduce(c, results$negative_words)
neg_corpus1 <- Corpus(VectorSource(neg_corpus1))
neg_tdm1 <- TermDocumentMatrix(neg_corpus1)
neg_tdm1 <- as.matrix(neg_tdm1)
neg_w1 <- rowSums(neg_tdm1)
neg_w1 <- sort(neg_w1, decreasing = TRUE)
df_neg <- data.frame(word = names(neg_w1), freq = neg_w1)
write.csv(df_neg, file = "negatif_makanan_tokopedia.csv", row.names = FALSE)
pos_corpus1 <- Reduce(c, results$positive_words)
pos_corpus1 <- Corpus(VectorSource(pos_corpus1))
pos_tdm1 <- TermDocumentMatrix(pos_corpus1)
pos_tdm1 <- as.matrix(pos_tdm1)
pos_w1 <- rowSums(pos_tdm1)
pos_w1 <- sort(pos_w1, decreasing = TRUE)
df_pos <- data.frame(word = names(pos_w1), freq = pos_w1)
write.csv(df_pos, file = "positif_makanan_tokopedia.csv", row.names = FALSE)
#analisis aspek
for (a in asp){
  subset_df <- results[grep(a, results$text), ]
  subset_path <- "aspect/"
}

```

```
csv_file <- sprintf("%sresult_%s.csv", subset_path, a)
write.csv(x = as.matrix(subset_df), file = csv_file, row.names = FALSE)
analyze_sentiment(subset_df$positive_words, subset_df$negative_words, name = a, path = subset_path)
}
```



Lampiran 4

Coding Gerai Minuman pada R studio

```
library(readxl)
raw_data <- read_xlsx("D:\\Pascasarjana\\TESIS\\Minuman_Tokopedia\\Review.xlsx", sheet = 1)
raw_text <- raw_data$Title
id_stopwords <- readLines("D:\\Pascasarjana\\TESIS\\Minuman_Tokopedia\\indonesian_stopwords.txt")
print(id_stopwords)
library(NLP)
library(tm)
corpus3 <- iconv(raw_text, to = "utf-8")
corpus3 <- Corpus(VectorSource(corpus3))
print(corpus3)
#data cleaning dan pre-processing
corpus3 <- tm_map(corpus3, tolower)
inspect(corpus3[1])
#hilangkan simbol
remove_punct <- function(x) gsub("[[:punct:]]", "", x)
corpus3 <- tm_map(corpus3, content_transformer(remove_punct))
inspect(corpus3[1])
#hilangkan angka
remove_num <- function(x) gsub("[0-9]+", "", x)
corpus3 <- tm_map(corpus3, content_transformer(remove_num))
inspect(corpus3[1])
#hilangkan duplikat huruf
remove_duplicate_char <- function(texts){
  all_words <- strsplit(texts, "\\s+")
  results <- c()
  for (words in all_words){
    result <- ""
    for (word in words){
      word_chars <- strsplit(word, "")[[1]]
      scanned_chars <- scan(what = character(), text = word_chars)
      result_chars <- rle(scanned_chars)$values
      clean_word <- paste(result_chars, collapse = "")
      result <- paste(result, clean_word, sep = " ")
    }
    results <- append(results, trimws(result))
  }
  return(results)
}
corpus3 <- tm_map(corpus3, content_transformer(remove_duplicate_char))
inspect(corpus3[1])
#bersihkan stopwords
corpus3 <- tm_map(corpus3, removeWords, id_stopwords)
inspect(corpus3[1])
#bersihkan spasi double
corpus3 <- tm_map(corpus3, stripWhitespace)
inspect(corpus3[1])
corpus3 <- tm_map(corpus3, gsub, pattern = "nya", replacement = "")
corpus3 <- tm_map(corpus3, gsub, pattern = "cpt", replacement = "cepat")
corpus3 <- tm_map(corpus3, gsub, pattern = "cepet", replacement = "cepat")
corpus3 <- tm_map(corpus3, gsub, pattern = "minuma", replacement = "minuman")
corpus3 <- tm_map(corpus3, gsub, pattern = "minumann", replacement = "minuman")
corpus3 <- tm_map(corpus3, gsub, pattern = "chese", replacement = "cheese")

corpus3 <- tm_map(corpus3, gsub, pattern = "pengiriman", replacement = " kirim ")
corpus3 <- tm_map(corpus3, gsub, pattern = "order", replacement = " pesan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "barang", replacement = " produk ")
corpus3 <- tm_map(corpus3, gsub, pattern = "banget", replacement = " sangat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "seler", replacement = " penjual ")
corpus3 <- tm_map(corpus3, gsub, pattern = "seger", replacement = " segar ")
corpus3 <- tm_map(corpus3, gsub, pattern = "repeat", replacement = " ulang ")
corpus3 <- tm_map(corpus3, gsub, pattern = "booster", replacement = " pemicu ")
corpus3 <- tm_map(corpus3, gsub, pattern = "fast", replacement = " cepat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "recomended", replacement = " rekomendasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = "rapi", replacement = " rapih ")
corpus3 <- tm_map(corpus3, gsub, pattern = "god", replacement = " bagus ")
corpus3 <- tm_map(corpus3, gsub, pattern = "sampe", replacement = " sampai ")
corpus3 <- tm_map(corpus3, gsub, pattern = "langanan", replacement = " langganan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "sdh", replacement = " sudah ")
corpus3 <- tm_map(corpus3, gsub, pattern = "juice", replacement = " jus ")
```

```

corpus3 <- tm_map(corpus3, gsub, pattern = "pembelian", replacement = " beli ")
corpus3 <- tm_map(corpus3, gsub, pattern = "memuaskan", replacement = " puas ")
corpus3 <- tm_map(corpus3, gsub, pattern = "bermanfat", replacement = " manfaat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "response", replacement = " respon ")
corpus3 <- tm_map(corpus3, gsub, pattern = "pesen", replacement = " pesan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "berasa", replacement = " rasa ")
corpus3 <- tm_map(corpus3, gsub, pattern = "pengirima", replacement = " kirim ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dicoba", replacement = " coba ")
corpus3 <- tm_map(corpus3, gsub, pattern = "fresh", replacement = " segar ")
corpus3 <- tm_map(corpus3, gsub, pattern = "asem", replacement = " asam ")
corpus3 <- tm_map(corpus3, gsub, pattern = "mantab", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = "orderan", replacement = " pesanan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "best", replacement = " terbaik ")
corpus3 <- tm_map(corpus3, gsub, pattern = "pake", replacement = " pakai ")
corpus3 <- tm_map(corpus3, gsub, pattern = "delivery", replacement = " kirim ")
corpus3 <- tm_map(corpus3, gsub, pattern = "berkhasiat", replacement = " khasiat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "the", replacement = " the ")
corpus3 <- tm_map(corpus3, gsub, pattern = "mpe", replacement = " sampai ")
corpus3 <- tm_map(corpus3, gsub, pattern = "fre", replacement = " gratis ")
corpus3 <- tm_map(corpus3, gsub, pattern = "next", replacement = " selanjutnya ")
corpus3 <- tm_map(corpus3, gsub, pattern = "cookies", replacement = " kue ")
corpus3 <- tm_map(corpus3, gsub, pattern = "buble", replacement = " bubble ")
corpus3 <- tm_map(corpus3, gsub, pattern = "service", replacement = " pelayanan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dpt", replacement = " dapat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "diminum", replacement = " minum ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dapet", replacement = " dapat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "respo", replacement = " respon ")
corpus3 <- tm_map(corpus3, gsub, pattern = "wrap", replacement = " bungkus ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dikasih", replacement = " kasih ")
corpus3 <- tm_map(corpus3, gsub, pattern = "product", replacement = " produk ")
corpus3 <- tm_map(corpus3, gsub, pattern = "soes", replacement = " sus ")
corpus3 <- tm_map(corpus3, gsub, pattern = "pelayana", replacement = " pelayanan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "cust", replacement = " pelanggan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "manfaat", replacement = " manfaat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "love", replacement = " cinta ")
corpus3 <- tm_map(corpus3, gsub, pattern = "abis", replacement = " habis ")
corpus3 <- tm_map(corpus3, gsub, pattern = "rahsa", replacement = " rasa ")
corpus3 <- tm_map(corpus3, gsub, pattern = "favorit", replacement = " kesukaan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "nyoba", replacement = " coba ")
corpus3 <- tm_map(corpus3, gsub, pattern = "pouch", replacement = " wadah ")
corpus3 <- tm_map(corpus3, gsub, pattern = "ngaruh", replacement = " pengaruh ")
corpus3 <- tm_map(corpus3, gsub, pattern = "nyobain", replacement = " coba ")
corpus3 <- tm_map(corpus3, gsub, pattern = "mengecewakan", replacement = " kecewa ")
corpus3 <- tm_map(corpus3, gsub, pattern = "berkali", replacement = " kali ")
corpus3 <- tm_map(corpus3, gsub, pattern = "nambah", replacement = " tambah ")
corpus3 <- tm_map(corpus3, gsub, pattern = "tetep", replacement = " tetap ")
corpus3 <- tm_map(corpus3, gsub, pattern = "pengemasan", replacement = " kemasan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "tea", replacement = " the ")
corpus3 <- tm_map(corpus3, gsub, pattern = "bertambah", replacement = " tambah ")
corpus3 <- tm_map(corpus3, gsub, pattern = "brg", replacement = " produk ")
corpus3 <- tm_map(corpus3, gsub, pattern = "deres", replacement = " deras ")
corpus3 <- tm_map(corpus3, gsub, pattern = "always", replacement = " selalu ")
corpus3 <- tm_map(corpus3, gsub, pattern = "very", replacement = " sangat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "maf", replacement = " maaf ")
corpus3 <- tm_map(corpus3, gsub, pattern = "respond", replacement = " respon ")
corpus3 <- tm_map(corpus3, gsub, pattern = "kerasa", replacement = " rasa ")
corpus3 <- tm_map(corpus3, gsub, pattern = "lgsg", replacement = " langsung ")
corpus3 <- tm_map(corpus3, gsub, pattern = "kemasa", replacement = " kemasan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "mantul", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = "slalu", replacement = " selalu ")
corpus3 <- tm_map(corpus3, gsub, pattern = "mingu", replacement = " minggu ")
corpus3 <- tm_map(corpus3, gsub, pattern = "pemesanan", replacement = " pesanan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "menambah", replacement = " tambah ")
corpus3 <- tm_map(corpus3, gsub, pattern = "mengasahi", replacement = " kasih ")
corpus3 <- tm_map(corpus3, gsub, pattern = "nagih", replacement = " ketagihan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "overal", replacement = " keseluruhan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "byk", replacement = " banyak ")
corpus3 <- tm_map(corpus3, gsub, pattern = "berbicara", replacement = " bicara ")
corpus3 <- tm_map(corpus3, gsub, pattern = "ngucur", replacement = " mengalir ")
corpus3 <- tm_map(corpus3, gsub, pattern = "ngefek", replacement = " efek ")
corpus3 <- tm_map(corpus3, gsub, pattern = "cobain", replacement = " coba ")
corpus3 <- tm_map(corpus3, gsub, pattern = "respons", replacement = " respon ")
corpus3 <- tm_map(corpus3, gsub, pattern = "frezer", replacement = " freezer ")

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corpus3 <- tm_map(corpus3, gsub, pattern = "taste", replacement = " rasa ")
corpus3 <- tm_map(corpus3, gsub, pattern = "favorite", replacement = " kesukaan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "sale", replacement = " jual ")
corpus3 <- tm_map(corpus3, gsub, pattern = "coklat", replacement = " cokelat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "tingal", replacement = " tinggal ")
corpus3 <- tm_map(corpus3, gsub, pattern = "flash", replacement = " cepat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "manga", replacement = " mangga ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dateng", replacement = " datang ")
corpus3 <- tm_map(corpus3, gsub, pattern = "keadan", replacement = " keadaan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dtg", replacement = " datang ")
corpus3 <- tm_map(corpus3, gsub, pattern = "time", replacement = " waktu ")
corpus3 <- tm_map(corpus3, gsub, pattern = "responsive", replacement = " responsif ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dlm", replacement = " dalam ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dikit", replacement = " sedikit ")
corpus3 <- tm_map(corpus3, gsub, pattern = "mantep", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = "owner", replacement = " pemilik ")
corpus3 <- tm_map(corpus3, gsub, pattern = "bnyk", replacement = " banyak ")
corpus3 <- tm_map(corpus3, gsub, pattern = "review", replacement = " ulasan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "plus", replacement = " tambah ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dibuka", replacement = " buka ")
corpus3 <- tm_map(corpus3, gsub, pattern = "bosen", replacement = " bosan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "msh", replacement = " masih ")
corpus3 <- tm_map(corpus3, gsub, pattern = "layanan", replacement = " pelayanan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "seal", replacement = " pengaman ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dibungkus", replacement = " bungkus ")
corpus3 <- tm_map(corpus3, gsub, pattern = "seneng", replacement = " senang ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dikemas", replacement = " kemasan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "pengen", replacement = " ingin ")
corpus3 <- tm_map(corpus3, gsub, pattern = "sempet", replacement = " sempat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "smp", replacement = " sampai ")
corpus3 <- tm_map(corpus3, gsub, pattern = "quality", replacement = " kualitas ")
corpus3 <- tm_map(corpus3, gsub, pattern = "kiriman", replacement = " kirim ")
corpus3 <- tm_map(corpus3, gsub, pattern = "berkualitas", replacement = " kualitas ")
corpus3 <- tm_map(corpus3, gsub, pattern = "temen", replacement = " teman ")
corpus3 <- tm_map(corpus3, gsub, pattern = "request", replacement = " permintaan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "mantaps", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = "hapy", replacement = " senang ")
corpus3 <- tm_map(corpus3, gsub, pattern = "lyche", replacement = " leci ")
corpus3 <- tm_map(corpus3, gsub, pattern = "ksh", replacement = " kasih ")
corpus3 <- tm_map(corpus3, gsub, pattern = "rekomen", replacement = " rekomendasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = "trima", replacement = " terima ")
corpus3 <- tm_map(corpus3, gsub, pattern = "cemilan", replacement = " camilan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "guava", replacement = " jambu ")
corpus3 <- tm_map(corpus3, gsub, pattern = "diproses", replacement = " proses ")
corpus3 <- tm_map(corpus3, gsub, pattern = "nice", replacement = " bagus ")
corpus3 <- tm_map(corpus3, gsub, pattern = "recomend", replacement = " rekomendasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = "sugar", replacement = " gula ")
corpus3 <- tm_map(corpus3, gsub, pattern = "paif", replacement = " pahit ")
corpus3 <- tm_map(corpus3, gsub, pattern = "kmrn", replacement = " kemarin ")
corpus3 <- tm_map(corpus3, gsub, pattern = "sgt", replacement = " sangat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "rasana", replacement = " rasa ")
corpus3 <- tm_map(corpus3, gsub, pattern = "shake", replacement = " kocok ")
corpus3 <- tm_map(corpus3, gsub, pattern = "jely", replacement = " jeli ")
corpus3 <- tm_map(corpus3, gsub, pattern = "malem", replacement = " malam ")
corpus3 <- tm_map(corpus3, gsub, pattern = "tanggap", replacement = " tanggap ")
corpus3 <- tm_map(corpus3, gsub, pattern = "torbangun", replacement = " terbangun ")
corpus3 <- tm_map(corpus3, gsub, pattern = "lai", replacement = " lain ")
corpus3 <- tm_map(corpus3, gsub, pattern = "menyegarkan", replacement = " segar ")
corpus3 <- tm_map(corpus3, gsub, pattern = "diragukan", replacement = " ragu ")
corpus3 <- tm_map(corpus3, gsub, pattern = "job", replacement = " kerja ")
corpus3 <- tm_map(corpus3, gsub, pattern = "smpe", replacement = " sampai ")
corpus3 <- tm_map(corpus3, gsub, pattern = "packingan", replacement = " packing ")
corpus3 <- tm_map(corpus3, gsub, pattern = "ngebantu", replacement = " membantu ")
corpus3 <- tm_map(corpus3, gsub, pattern = "baby", replacement = " bayi ")
corpus3 <- tm_map(corpus3, gsub, pattern = "day", replacement = " hari ")
corpus3 <- tm_map(corpus3, gsub, pattern = "pengemasa", replacement = " kemasan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "chat", replacement = " pesan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "nyesel", replacement = " menyesal ")
corpus3 <- tm_map(corpus3, gsub, pattern = "cucok", replacement = " cocok ")
corpus3 <- tm_map(corpus3, gsub, pattern = "enk", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = "eneg", replacement = " enek ")
corpus3 <- tm_map(corpus3, gsub, pattern = "ditambah", replacement = " tambah ")
corpus3 <- tm_map(corpus3, gsub, pattern = "pdhl", replacement = " padahal ")

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corpus3 <- tm_map(corpus3, gsub, pattern = "bngt", replacement = " sangat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "sehinga", replacement = " sehingga ")
corpus3 <- tm_map(corpus3, gsub, pattern = "tebel", replacement = " tebal ")
corpus3 <- tm_map(corpus3, gsub, pattern = "again", replacement = " lagi ")
corpus3 <- tm_map(corpus3, gsub, pattern = "sblm", replacement = " sebelum ")
corpus3 <- tm_map(corpus3, gsub, pattern = "customer", replacement = " pelanggan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "mdh", replacement = " mudah ")
corpus3 <- tm_map(corpus3, gsub, pattern = "gercep", replacement = " cepat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "markotop", replacement = " top ")
corpus3 <- tm_map(corpus3, gsub, pattern = "trs", replacement = " terus ")
corpus3 <- tm_map(corpus3, gsub, pattern = "driver", replacement = " pengendara ")
corpus3 <- tm_map(corpus3, gsub, pattern = "pedes", replacement = " pedas ")
corpus3 <- tm_map(corpus3, gsub, pattern = "lsg", replacement = " langsung ")
corpus3 <- tm_map(corpus3, gsub, pattern = "box", replacement = " kotak ")
corpus3 <- tm_map(corpus3, gsub, pattern = "great", replacement = " hebat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "kemanisan", replacement = " kemanisan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "kecepatan", replacement = " cepat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "mgkn", replacement = " mungkin ")
corpus3 <- tm_map(corpus3, gsub, pattern = "lgs", replacement = " langsung ")
corpus3 <- tm_map(corpus3, gsub, pattern = "ori", replacement = " original ")
corpus3 <- tm_map(corpus3, gsub, pattern = "same", replacement = " sameday ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dikonsumsi", replacement = " konsumsi ")
corpus3 <- tm_map(corpus3, gsub, pattern = "sueger", replacement = " segar ")
corpus3 <- tm_map(corpus3, gsub, pattern = "tunggu", replacement = " tunggu ")
corpus3 <- tm_map(corpus3, gsub, pattern = "rekomended", replacement = " rekomendasikan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "paking", replacement = " packing ")
corpus3 <- tm_map(corpus3, gsub, pattern = "mencoba", replacement = " coba ")
corpus3 <- tm_map(corpus3, gsub, pattern = "tokped", replacement = " tokopedia ")
corpus3 <- tm_map(corpus3, gsub, pattern = "senak", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = "rasany", replacement = " rasa ")
corpus3 <- tm_map(corpus3, gsub, pattern = "uenak", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = "pesenan", replacement = " pesanan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "penyelamat", replacement = " selamat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "sambel", replacement = " sambal ")
corpus3 <- tm_map(corpus3, gsub, pattern = "smpai", replacement = " sampai ")
corpus3 <- tm_map(corpus3, gsub, pattern = "tengorokan", replacement = " tenggorokan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "kep", replacement = " menyimpan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "skali", replacement = " sekali ")
corpus3 <- tm_map(corpus3, gsub, pattern = "usual", replacement = " biasanya ")
corpus3 <- tm_map(corpus3, gsub, pattern = "diganti", replacement = " ganti ")
corpus3 <- tm_map(corpus3, gsub, pattern = "stock", replacement = " stok ")
corpus3 <- tm_map(corpus3, gsub, pattern = "juala", replacement = " jualan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "pesana", replacement = " pesanan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "jgn", replacement = " jangan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "brasa", replacement = " rasa ")
corpus3 <- tm_map(corpus3, gsub, pattern = "mango", replacement = " mangga ")
corpus3 <- tm_map(corpus3, gsub, pattern = "menggunakan", replacement = " menggunakan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dipesan", replacement = " dipesan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "bln", replacement = " bulan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "pelangan", replacement = " pelanggan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "bsa", replacement = " bisa ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dikasi", replacement = " kasih ")
corpus3 <- tm_map(corpus3, gsub, pattern = "ukura", replacement = " ukuran ")
corpus3 <- tm_map(corpus3, gsub, pattern = "work", replacement = " kerja ")
corpus3 <- tm_map(corpus3, gsub, pattern = "jdi", replacement = " jadi ")
corpus3 <- tm_map(corpus3, gsub, pattern = "sbg", replacement = " sebagai ")
corpus3 <- tm_map(corpus3, gsub, pattern = "semingu", replacement = " seminggu ")
corpus3 <- tm_map(corpus3, gsub, pattern = "tgi", replacement = " tanggal ")
corpus3 <- tm_map(corpus3, gsub, pattern = "kasi", replacement = " kasih ")
corpus3 <- tm_map(corpus3, gsub, pattern = "angur", replacement = " anggur ")
corpus3 <- tm_map(corpus3, gsub, pattern = "org", replacement = " orang ")
corpus3 <- tm_map(corpus3, gsub, pattern = "pdhal", replacement = " padahal ")
corpus3 <- tm_map(corpus3, gsub, pattern = "belom", replacement = " belum ")
corpus3 <- tm_map(corpus3, gsub, pattern = "nungu", replacement = " tunggu ")
corpus3 <- tm_map(corpus3, gsub, pattern = "koperatif", replacement = " kooperatif ")
corpus3 <- tm_map(corpus3, gsub, pattern = "helpful", replacement = " membantu ")
corpus3 <- tm_map(corpus3, gsub, pattern = "krg", replacement = " kurang ")
corpus3 <- tm_map(corpus3, gsub, pattern = "bertanggung", replacement = " bertanggungjawab ")
corpus3 <- tm_map(corpus3, gsub, pattern = "anget", replacement = " hangat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "but", replacement = " tetapi ")
corpus3 <- tm_map(corpus3, gsub, pattern = "shop", replacement = " toko ")
corpus3 <- tm_map(corpus3, gsub, pattern = "memperlancar", replacement = " lancar ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dicampur", replacement = " campur ")

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corpus3 <- tm_map(corpus3, gsub, pattern = "melancarkan", replacement = " lancar ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dicobain", replacement = " coba ")
corpus3 <- tm_map(corpus3, gsub, pattern = "kebuka", replacement = " buka ")
corpus3 <- tm_map(corpus3, gsub, pattern = "simple", replacement = " sederhana ")
corpus3 <- tm_map(corpus3, gsub, pattern = "stlh", replacement = " setelah ")
corpus3 <- tm_map(corpus3, gsub, pattern = "bgd", replacement = " sangat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "one", replacement = " satu ")
corpus3 <- tm_map(corpus3, gsub, pattern = "smua", replacement = " semua ")
corpus3 <- tm_map(corpus3, gsub, pattern = "kemaren", replacement = " kemarin ")
corpus3 <- tm_map(corpus3, gsub, pattern = "send", replacement = " kirim ")
corpus3 <- tm_map(corpus3, gsub, pattern = "blanja", replacement = " belanja ")
corpus3 <- tm_map(corpus3, gsub, pattern = "mnm", replacement = " minum ")
corpus3 <- tm_map(corpus3, gsub, pattern = "mix", replacement = " campur ")
corpus3 <- tm_map(corpus3, gsub, pattern = "excelent", replacement = " bagus ")
corpus3 <- tm_map(corpus3, gsub, pattern = "liat", replacement = " lihat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "terfavorit", replacement = " kesukaan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "bermasalah", replacement = " masalah ")
corpus3 <- tm_map(corpus3, gsub, pattern = "bli", replacement = " beli ")
corpus3 <- tm_map(corpus3, gsub, pattern = "enakan", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = "morning", replacement = " pagi ")
corpus3 <- tm_map(corpus3, gsub, pattern = "ngerasa", replacement = " rasa ")
corpus3 <- tm_map(corpus3, gsub, pattern = "bublewrap", replacement = " bubblewarp ")
corpus3 <- tm_map(corpus3, gsub, pattern = "admi", replacement = " admin ")
corpus3 <- tm_map(corpus3, gsub, pattern = "expired", replacement = " kedaluwarsa ")
corpus3 <- tm_map(corpus3, gsub, pattern = "sukak", replacement = " suka ")
corpus3 <- tm_map(corpus3, gsub, pattern = "bgs", replacement = " bagus ")
corpus3 <- tm_map(corpus3, gsub, pattern = "servis", replacement = " pelayanan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "berlanganan", replacement = " langganan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "manteb", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = "lgi", replacement = " lagi ")
corpus3 <- tm_map(corpus3, gsub, pattern = "perkiran", replacement = " perkiraan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "sebener", replacement = " sebenarnya ")
corpus3 <- tm_map(corpus3, gsub, pattern = "terenak", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = "memasak", replacement = " masak ")
corpus3 <- tm_map(corpus3, gsub, pattern = "berulang", replacement = " ulang ")
corpus3 <- tm_map(corpus3, gsub, pattern = "mantabs", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = "terkirim", replacement = " kirim ")
corpus3 <- tm_map(corpus3, gsub, pattern = "ful", replacement = " penuh ")
corpus3 <- tm_map(corpus3, gsub, pattern = "second", replacement = " kedua ")
corpus3 <- tm_map(corpus3, gsub, pattern = "drink", replacement = " minuman ")
corpus3 <- tm_map(corpus3, gsub, pattern = "date", replacement = " tanggal ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dikirimkan", replacement = " kirim ")
corpus3 <- tm_map(corpus3, gsub, pattern = "favourite", replacement = " kesukaan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "purchase", replacement = " beli ")
corpus3 <- tm_map(corpus3, gsub, pattern = "fit", replacement = " sehat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dihari", replacement = " hari ")
corpus3 <- tm_map(corpus3, gsub, pattern = "plain", replacement = " hambar ")
corpus3 <- tm_map(corpus3, gsub, pattern = "diskripsi", replacement = " deskripsi ")
corpus3 <- tm_map(corpus3, gsub, pattern = "ditunggu", replacement = " tunggu ")
corpus3 <- tm_map(corpus3, gsub, pattern = "toped", replacement = " tokopedia ")
corpus3 <- tm_map(corpus3, gsub, pattern = "mag", replacement = " Haag ")
corpus3 <- tm_map(corpus3, gsub, pattern = "psn", replacement = " pesan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dus", replacement = " kotak ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dirumah", replacement = " rumah ")
corpus3 <- tm_map(corpus3, gsub, pattern = "kenceng", replacement = " kencang ")
corpus3 <- tm_map(corpus3, gsub, pattern = "kempat", replacement = " keempat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "maknyus", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dsni", replacement = " disini ")
corpus3 <- tm_map(corpus3, gsub, pattern = "mesen", replacement = " pesan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "taro", replacement = " taruh ")
corpus3 <- tm_map(corpus3, gsub, pattern = "tmbh", replacement = " tambah ")
corpus3 <- tm_map(corpus3, gsub, pattern = "merespon", replacement = " respon ")
corpus3 <- tm_map(corpus3, gsub, pattern = "package", replacement = " paket ")
corpus3 <- tm_map(corpus3, gsub, pattern = "pure", replacement = " murni ")
corpus3 <- tm_map(corpus3, gsub, pattern = "rmh", replacement = " rumah ")
corpus3 <- tm_map(corpus3, gsub, pattern = "lot", replacement = " banyak ")
corpus3 <- tm_map(corpus3, gsub, pattern = "oficial", replacement = " official ")
corpus3 <- tm_map(corpus3, gsub, pattern = "bsok", replacement = " besok ")
corpus3 <- tm_map(corpus3, gsub, pattern = "ngasih", replacement = " kasih ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dtng", replacement = " datang ")
corpus3 <- tm_map(corpus3, gsub, pattern = "kwalitas", replacement = " kualitas ")
corpus3 <- tm_map(corpus3, gsub, pattern = "packinga", replacement = " packing ")
corpus3 <- tm_map(corpus3, gsub, pattern = "menyenangkan", replacement = " senang ")

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```

corpus3 <- tm_map(corpus3, gsub, pattern = "kedepa", replacement = " kedepan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "berbeda", replacement = " beda ")
corpus3 <- tm_map(corpus3, gsub, pattern = "jkt", replacement = " jakarta ")
corpus3 <- tm_map(corpus3, gsub, pattern = "ngerasain", replacement = " rasa ")
corpus3 <- tm_map(corpus3, gsub, pattern = "safety", replacement = " aman ")
corpus3 <- tm_map(corpus3, gsub, pattern = "walopun", replacement = " walaupun ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dsini", replacement = " disini ")
corpus3 <- tm_map(corpus3, gsub, pattern = "paketan", replacement = " paket ")
corpus3 <- tm_map(corpus3, gsub, pattern = "mod", replacement = " perasaan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "macem", replacement = " macam ")
corpus3 <- tm_map(corpus3, gsub, pattern = "cpat", replacement = " cepat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "item", replacement = " produk ")
corpus3 <- tm_map(corpus3, gsub, pattern = "perfect", replacement = " sempurna ")
corpus3 <- tm_map(corpus3, gsub, pattern = "mnum", replacement = " minum ")
corpus3 <- tm_map(corpus3, gsub, pattern = "paketa", replacement = " paket ")
corpus3 <- tm_map(corpus3, gsub, pattern = "bosa", replacement = " bosan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "services", replacement = " pelayanan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "like", replacement = " suka ")
corpus3 <- tm_map(corpus3, gsub, pattern = "luv", replacement = " suka ")
corpus3 <- tm_map(corpus3, gsub, pattern = "try", replacement = " coba ")
corpus3 <- tm_map(corpus3, gsub, pattern = "tangkal", replacement = " tanggal ")
corpus3 <- tm_map(corpus3, gsub, pattern = "min", replacement = " minimal ")
corpus3 <- tm_map(corpus3, gsub, pattern = "ice", replacement = " es ")
corpus3 <- tm_map(corpus3, gsub, pattern = "berenti", replacement = " berhenti ")
corpus3 <- tm_map(corpus3, gsub, pattern = "fav", replacement = " kesukaan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "honey", replacement = " madu ")
corpus3 <- tm_map(corpus3, gsub, pattern = "fix", replacement = " tetap ")
corpus3 <- tm_map(corpus3, gsub, pattern = "reseler", replacement = " reseller ")
corpus3 <- tm_map(corpus3, gsub, pattern = "instant", replacement = " instan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "okeh", replacement = " oke ")
corpus3 <- tm_map(corpus3, gsub, pattern = "bkin", replacement = " membuat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "wel", replacement = " baik ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dlu", replacement = " dulu ")
corpus3 <- tm_map(corpus3, gsub, pattern = "okay", replacement = " oke ")
corpus3 <- tm_map(corpus3, gsub, pattern = "keliatan", replacement = " kelihatan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "beter", replacement = " lebih baik ")
corpus3 <- tm_map(corpus3, gsub, pattern = "rapet", replacement = " rapat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "kadaluarsa", replacement = " kedaluwarsa ")
corpus3 <- tm_map(corpus3, gsub, pattern = "mayan", replacement = " lumayan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "ntap", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = "gede", replacement = " besar ")
corpus3 <- tm_map(corpus3, gsub, pattern = "aseli", replacement = " asli ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dijual", replacement = " jual ")
corpus3 <- tm_map(corpus3, gsub, pattern = "bsk", replacement = " besok ")
corpus3 <- tm_map(corpus3, gsub, pattern = "kesokan", replacement = " keesokkan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "nulis", replacement = " menulis ")
corpus3 <- tm_map(corpus3, gsub, pattern = "sudh", replacement = " sudah ")
corpus3 <- tm_map(corpus3, gsub, pattern = "pngiriman", replacement = " kirim ")
corpus3 <- tm_map(corpus3, gsub, pattern = "mkn", replacement = " makan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "sory", replacement = " maaf ")
corpus3 <- tm_map(corpus3, gsub, pattern = "reapon", replacement = " respon ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dijanjakan", replacement = " janji ")
corpus3 <- tm_map(corpus3, gsub, pattern = "disat", replacement = " disaat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "botle", replacement = " botol ")
corpus3 <- tm_map(corpus3, gsub, pattern = "trlalu", replacement = " terlalu ")
corpus3 <- tm_map(corpus3, gsub, pattern = "flavor", replacement = " rasa ")
corpus3 <- tm_map(corpus3, gsub, pattern = "mntap", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = "banged", replacement = " sangat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "series", replacement = " seri ")
corpus3 <- tm_map(corpus3, gsub, pattern = "varia", replacement = " variasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = "ngirim", replacement = " kirim ")
corpus3 <- tm_map(corpus3, gsub, pattern = "direkomendasikan", replacement = " rekomendasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = "kelihata", replacement = " kelihatan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "kandunga", replacement = " kandungan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "pencernan", replacement = " pencernaan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dibonusin", replacement = " bonus ")
corpus3 <- tm_map(corpus3, gsub, pattern = "suply", replacement = " pasokan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "ditrima", replacement = " diterima ")
corpus3 <- tm_map(corpus3, gsub, pattern = "les", replacement = " kurang ")
corpus3 <- tm_map(corpus3, gsub, pattern = "mantaf", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = "expres", replacement = " cepat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "bru", replacement = " baru ")
corpus3 <- tm_map(corpus3, gsub, pattern = "nyetok", replacement = " stok ")

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corpus3 <- tm_map(corpus3, gsub, pattern = "nuang", replacement = " tuang ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dimasukan", replacement = " dimasukkan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "folow", replacement = " mengikuti ")
corpus3 <- tm_map(corpus3, gsub, pattern = "more", replacement = " lebih ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dianter", replacement = " diantar ")
corpus3 <- tm_map(corpus3, gsub, pattern = "mengirim", replacement = " kirim ")
corpus3 <- tm_map(corpus3, gsub, pattern = "ijo", replacement = " hijau ")
corpus3 <- tm_map(corpus3, gsub, pattern = "skrng", replacement = " sekarang ")
corpus3 <- tm_map(corpus3, gsub, pattern = "mlm", replacement = " malam ")
corpus3 <- tm_map(corpus3, gsub, pattern = "ksekian", replacement = " kesekian ")
corpus3 <- tm_map(corpus3, gsub, pattern = "brng", replacement = " produk ")
corpus3 <- tm_map(corpus3, gsub, pattern = "cpet", replacement = " cepat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "secepat", replacement = " cepat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dterima", replacement = " diterima ")
corpus3 <- tm_map(corpus3, gsub, pattern = "komen", replacement = " komentar ")
corpus3 <- tm_map(corpus3, gsub, pattern = "nyoklat", replacement = " cokelat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "endes", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = "bingits", replacement = " sangat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "yummy", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = "works", replacement = " kerja ")
corpus3 <- tm_map(corpus3, gsub, pattern = "pengirimany", replacement = " kirim ")
corpus3 <- tm_map(corpus3, gsub, pattern = "favoritku", replacement = " kesukaan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "variant", replacement = " variasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = "mantapz", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = "repeated", replacement = " ulang ")
corpus3 <- tm_map(corpus3, gsub, pattern = "komplain", replacement = " keluhan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "shiping", replacement = " kirim ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dinikmati", replacement = " nikmati ")
corpus3 <- tm_map(corpus3, gsub, pattern = "wait", replacement = " tunggu ")
corpus3 <- tm_map(corpus3, gsub, pattern = "jusny", replacement = " jus ")
corpus3 <- tm_map(corpus3, gsub, pattern = "urgent", replacement = " penting ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dipakein", replacement = " pakai ")
corpus3 <- tm_map(corpus3, gsub, pattern = "gift", replacement = " hadiah ")
corpus3 <- tm_map(corpus3, gsub, pattern = "chocolate", replacement = " cokelat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "know", replacement = " tahu ")
corpus3 <- tm_map(corpus3, gsub, pattern = "gerd", replacement = " maag ")
corpus3 <- tm_map(corpus3, gsub, pattern = "update", replacement = " terbaru ")
corpus3 <- tm_map(corpus3, gsub, pattern = "okey", replacement = " oke ")
corpus3 <- tm_map(corpus3, gsub, pattern = "natural", replacement = " alami ")
corpus3 <- tm_map(corpus3, gsub, pattern = "trusted", replacement = " terpercaya ")
corpus3 <- tm_map(corpus3, gsub, pattern = "buanget", replacement = " sangat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "lmyn", replacement = " lumayan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "tingkatkan", replacement = " meningkatkan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "tmbah", replacement = " tambah ")
corpus3 <- tm_map(corpus3, gsub, pattern = "strong", replacement = " kuat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "wkt", replacement = " waktu ")
corpus3 <- tm_map(corpus3, gsub, pattern = "blom", replacement = " belum ")
corpus3 <- tm_map(corpus3, gsub, pattern = "tingi", replacement = " tinggi ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dipaketkan", replacement = " paket ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dipacking", replacement = " packing ")
corpus3 <- tm_map(corpus3, gsub, pattern = "merasakan", replacement = " rasa ")
corpus3 <- tm_map(corpus3, gsub, pattern = "menyehatkan", replacement = " sehat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "ntaps", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = "permintan", replacement = " permintaan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "ena", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dirasakan", replacement = " rasa ")
corpus3 <- tm_map(corpus3, gsub, pattern = "kerumah", replacement = " rumah ")
corpus3 <- tm_map(corpus3, gsub, pattern = "mengkonsumsi", replacement = " konsumsi ")
corpus3 <- tm_map(corpus3, gsub, pattern = "nempel", replacement = " tempel ")
corpus3 <- tm_map(corpus3, gsub, pattern = "exp", replacement = " kedaluwarsa ")
corpus3 <- tm_map(corpus3, gsub, pattern = "menunggu", replacement = " tunggu ")
corpus3 <- tm_map(corpus3, gsub, pattern = "merembes", replacement = " rembes ")
corpus3 <- tm_map(corpus3, gsub, pattern = "after", replacement = " setelah ")
corpus3 <- tm_map(corpus3, gsub, pattern = "penyimpanan", replacement = " simpan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "rame", replacement = " ramai ")
corpus3 <- tm_map(corpus3, gsub, pattern = "quick", replacement = " cepat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "ditoko", replacement = " toko ")
corpus3 <- tm_map(corpus3, gsub, pattern = "hbs", replacement = " habis ")
corpus3 <- tm_map(corpus3, gsub, pattern = "list", replacement = " daftar ")
corpus3 <- tm_map(corpus3, gsub, pattern = "bos", replacement = " pemilik ")
corpus3 <- tm_map(corpus3, gsub, pattern = "layana", replacement = " pelayanan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "ragukan", replacement = " ragu ")
corpus3 <- tm_map(corpus3, gsub, pattern = "muantap", replacement = " mantap ")

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corpus3 <- tm_map(corpus3, gsub, pattern = "pahitan", replacement = " pahit ")
corpus3 <- tm_map(corpus3, gsub, pattern = "pickup", replacement = " diambil ")
corpus3 <- tm_map(corpus3, gsub, pattern = "syeger", replacement = " segar ")
corpus3 <- tm_map(corpus3, gsub, pattern = "paketny", replacement = " paket ")
corpus3 <- tm_map(corpus3, gsub, pattern = "kece", replacement = " bagus ")
corpus3 <- tm_map(corpus3, gsub, pattern = "ngisi", replacement = " isi ")
corpus3 <- tm_map(corpus3, gsub, pattern = "wuenak", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = "authentic", replacement = " otentik ")
corpus3 <- tm_map(corpus3, gsub, pattern = "shipment", replacement = " kirim ")
corpus3 <- tm_map(corpus3, gsub, pattern = "hepi", replacement = " bahagia ")
corpus3 <- tm_map(corpus3, gsub, pattern = "before", replacement = " sebelum ")
corpus3 <- tm_map(corpus3, gsub, pattern = "ordering", replacement = " pesan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "care", replacement = " peduli ")
corpus3 <- tm_map(corpus3, gsub, pattern = "strawbery", replacement = " stroberi ")
corpus3 <- tm_map(corpus3, gsub, pattern = "light", replacement = " ringan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "friendly", replacement = " bersahabat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "can", replacement = " bisa ")
corpus3 <- tm_map(corpus3, gsub, pattern = "campura", replacement = " campur ")
corpus3 <- tm_map(corpus3, gsub, pattern = "didinginkan", replacement = " dingin ")
corpus3 <- tm_map(corpus3, gsub, pattern = "sdkt", replacement = " sedikit ")
corpus3 <- tm_map(corpus3, gsub, pattern = "thumbs", replacement = " jempol ")
corpus3 <- tm_map(corpus3, gsub, pattern = "safe", replacement = " aman ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dinfo", replacement = " info ")
corpus3 <- tm_map(corpus3, gsub, pattern = "hrg", replacement = " harga ")
corpus3 <- tm_map(corpus3, gsub, pattern = "msk", replacement = " masuk ")
corpus3 <- tm_map(corpus3, gsub, pattern = "racika", replacement = " racikan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "laen", replacement = " lain ")
corpus3 <- tm_map(corpus3, gsub, pattern = "ready", replacement = " tersedia ")
corpus3 <- tm_map(corpus3, gsub, pattern = "ditaro", replacement = " ditaruh ")
corpus3 <- tm_map(corpus3, gsub, pattern = "nemu", replacement = " menemukan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "kluar", replacement = " keluar ")
corpus3 <- tm_map(corpus3, gsub, pattern = "pemgiriman", replacement = " kirim ")
corpus3 <- tm_map(corpus3, gsub, pattern = "oil", replacement = " minyak ")
corpus3 <- tm_map(corpus3, gsub, pattern = "direspon", replacement = " respon ")
corpus3 <- tm_map(corpus3, gsub, pattern = "sekeluarga", replacement = " keluarga ")
corpus3 <- tm_map(corpus3, gsub, pattern = "bgtu", replacement = " begitu ")
corpus3 <- tm_map(corpus3, gsub, pattern = "cape", replacement = " capek ")
corpus3 <- tm_map(corpus3, gsub, pattern = "kelaman", replacement = " kelamaan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "nendang", replacement = " terasa ")
corpus3 <- tm_map(corpus3, gsub, pattern = "diseal", replacement = " pengaman ")
corpus3 <- tm_map(corpus3, gsub, pattern = "menghemat", replacement = " hemat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "ngulek", replacement = " ulek ")
corpus3 <- tm_map(corpus3, gsub, pattern = "saler", replacement = " penjual ")
corpus3 <- tm_map(corpus3, gsub, pattern = "sepaket", replacement = " paket ")
corpus3 <- tm_map(corpus3, gsub, pattern = "memudahkan", replacement = " mudah ")
corpus3 <- tm_map(corpus3, gsub, pattern = "reviewbyme", replacement = " ulasan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "tanggung", replacement = " tanggung ")
corpus3 <- tm_map(corpus3, gsub, pattern = "team", replacement = " tim ")
corpus3 <- tm_map(corpus3, gsub, pattern = "rembesan", replacement = " rembesan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "sebotol", replacement = " botol ")
corpus3 <- tm_map(corpus3, gsub, pattern = "improve", replacement = " meningkatkan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "musti", replacement = " harus ")
corpus3 <- tm_map(corpus3, gsub, pattern = "stii", replacement = " masih ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dibeli", replacement = " beli ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dituang", replacement = " tuang ")
corpus3 <- tm_map(corpus3, gsub, pattern = "kudu", replacement = " harus ")
corpus3 <- tm_map(corpus3, gsub, pattern = "bleber", replacement = " luber ")
corpus3 <- tm_map(corpus3, gsub, pattern = "males", replacement = " malas ")
corpus3 <- tm_map(corpus3, gsub, pattern = "ngabarin", replacement = " kabar ")
corpus3 <- tm_map(corpus3, gsub, pattern = "ilang", replacement = " hilang ")
corpus3 <- tm_map(corpus3, gsub, pattern = "testi", replacement = " ulasan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "menurutku", replacement = " komentar ")
corpus3 <- tm_map(corpus3, gsub, pattern = "cmn", replacement = " hanya ")
corpus3 <- tm_map(corpus3, gsub, pattern = "bangets", replacement = " sangat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "kecium", replacement = " cium ")
corpus3 <- tm_map(corpus3, gsub, pattern = "brang", replacement = " produk ")
corpus3 <- tm_map(corpus3, gsub, pattern = "pengiriman", replacement = " kirim ")
corpus3 <- tm_map(corpus3, gsub, pattern = "termurah", replacement = " murah ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dkirim", replacement = " kirim ")
corpus3 <- tm_map(corpus3, gsub, pattern = "respom", replacement = " respon ")
corpus3 <- tm_map(corpus3, gsub, pattern = "okelah", replacement = " oke ")
corpus3 <- tm_map(corpus3, gsub, pattern = "sndiri", replacement = " sendiri ")
corpus3 <- tm_map(corpus3, gsub, pattern = "terbungkus", replacement = " bungkus ")

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corpus3 <- tm_map(corpus3, gsub, pattern = "mpai", replacement = " sampai ")
corpus3 <- tm_map(corpus3, gsub, pattern = "smpt", replacement = " sempat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "nambahin", replacement = " tambah ")
corpus3 <- tm_map(corpus3, gsub, pattern = "suda", replacement = " sudah ")
corpus3 <- tm_map(corpus3, gsub, pattern = "post", replacement = " menempatkan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "deliver", replacement = " kirim ")
corpus3 <- tm_map(corpus3, gsub, pattern = "pedagang", replacement = " penjual ")
corpus3 <- tm_map(corpus3, gsub, pattern = "kukis", replacement = " kue ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dcoba", replacement = " coba ")
corpus3 <- tm_map(corpus3, gsub, pattern = "lngsung", replacement = " langsung ")
corpus3 <- tm_map(corpus3, gsub, pattern = "apalg", replacement = " apalagi ")
corpus3 <- tm_map(corpus3, gsub, pattern = "sdah", replacement = " sudah ")
corpus3 <- tm_map(corpus3, gsub, pattern = "recomeded", replacement = " rekomendasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = "cokie", replacement = " kue ")
corpus3 <- tm_map(corpus3, gsub, pattern = "terkendala", replacement = " kendala ")
corpus3 <- tm_map(corpus3, gsub, pattern = "bad", replacement = " buruk ")
corpus3 <- tm_map(corpus3, gsub, pattern = "ampe", replacement = " sampai ")
corpus3 <- tm_map(corpus3, gsub, pattern = "sdikit", replacement = " sedikit ")
corpus3 <- tm_map(corpus3, gsub, pattern = "pelancar", replacement = " lancar ")
corpus3 <- tm_map(corpus3, gsub, pattern = "endeus", replacement = " enak ")
corpus3 <- tm_map(corpus3, gsub, pattern = "ketingalan", replacement = " ketinggalan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "tertulis", replacement = " tertulis ")
corpus3 <- tm_map(corpus3, gsub, pattern = "gratisan", replacement = " gratis ")
corpus3 <- tm_map(corpus3, gsub, pattern = "fastrespon", replacement = " responsif ")
corpus3 <- tm_map(corpus3, gsub, pattern = "ngecewain", replacement = " kecewa ")
corpus3 <- tm_map(corpus3, gsub, pattern = "packaged", replacement = " paket ")
corpus3 <- tm_map(corpus3, gsub, pattern = "skg", replacement = " sekarang ")
corpus3 <- tm_map(corpus3, gsub, pattern = "sdkit", replacement = " sedikit ")
corpus3 <- tm_map(corpus3, gsub, pattern = "pengirim", replacement = " kirim ")
corpus3 <- tm_map(corpus3, gsub, pattern = "ngalir", replacement = " mengalir ")
corpus3 <- tm_map(corpus3, gsub, pattern = "grape", replacement = " anggur ")
corpus3 <- tm_map(corpus3, gsub, pattern = "prnh", replacement = " pernah ")
corpus3 <- tm_map(corpus3, gsub, pattern = "thn", replacement = " tahun ")
corpus3 <- tm_map(corpus3, gsub, pattern = "exactly", replacement = " tepat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "think", replacement = " berpikir ")
corpus3 <- tm_map(corpus3, gsub, pattern = "stres", replacement = " stress ")
corpus3 <- tm_map(corpus3, gsub, pattern = "coconut", replacement = " kelapa ")
corpus3 <- tm_map(corpus3, gsub, pattern = "expiry", replacement = " kedaluwarsa ")
corpus3 <- tm_map(corpus3, gsub, pattern = "diselotip", replacement = " selotip ")
corpus3 <- tm_map(corpus3, gsub, pattern = "kutungu", replacement = " kutunggu ")
corpus3 <- tm_map(corpus3, gsub, pattern = "infokan", replacement = " info ")
corpus3 <- tm_map(corpus3, gsub, pattern = "restock", replacement = " stok ")
corpus3 <- tm_map(corpus3, gsub, pattern = "choco", replacement = " cokelat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "hint", replacement = " petunjuk ")
corpus3 <- tm_map(corpus3, gsub, pattern = "routine", replacement = " rutin ")
corpus3 <- tm_map(corpus3, gsub, pattern = "fail", replacement = " gagal ")
corpus3 <- tm_map(corpus3, gsub, pattern = "asyem", replacement = " asam ")
corpus3 <- tm_map(corpus3, gsub, pattern = "start", replacement = " mulai ")
corpus3 <- tm_map(corpus3, gsub, pattern = "confirm", replacement = " konfirmasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = "tulisin", replacement = " tulisan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "stars", replacement = " bintang ")
corpus3 <- tm_map(corpus3, gsub, pattern = "laper", replacement = " lapar ")
corpus3 <- tm_map(corpus3, gsub, pattern = "healthy", replacement = " sehat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "white", replacement = " putih ")
corpus3 <- tm_map(corpus3, gsub, pattern = "pengiriman", replacement = " kirim ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dteng", replacement = " datang ")
corpus3 <- tm_map(corpus3, gsub, pattern = "daerah", replacement = " daerah ")
corpus3 <- tm_map(corpus3, gsub, pattern = "smakin", replacement = " semakin ")
corpus3 <- tm_map(corpus3, gsub, pattern = "mantaplah", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = "weekend", replacement = " weekend ")
corpus3 <- tm_map(corpus3, gsub, pattern = "afordable", replacement = " terjangkau ")
corpus3 <- tm_map(corpus3, gsub, pattern = "bingitz", replacement = " sangat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "recom", replacement = " rekomendasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = "recomen", replacement = " rekomendasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = "pengirimam", replacement = " kirim ")
corpus3 <- tm_map(corpus3, gsub, pattern = "sedep", replacement = " sedap ")
corpus3 <- tm_map(corpus3, gsub, pattern = "mnurut", replacement = " menurut ")
corpus3 <- tm_map(corpus3, gsub, pattern = "sger", replacement = " segar ")
corpus3 <- tm_map(corpus3, gsub, pattern = "muantab", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dikirim", replacement = " kirim ")
corpus3 <- tm_map(corpus3, gsub, pattern = "membeli", replacement = " beli ")
corpus3 <- tm_map(corpus3, gsub, pattern = "comerce", replacement = " komersil ")
corpus3 <- tm_map(corpus3, gsub, pattern = "rasakan", replacement = " rasa ")

```

```

corpus3 <- tm_map(corpus3, gsub, pattern = "tdr", replacement = "tidur ")
corpus3 <- tm_map(corpus3, gsub, pattern = "imune", replacement = "imun ")
corpus3 <- tm_map(corpus3, gsub, pattern = "out", replacement = "keluar ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dri", replacement = "dari ")
corpus3 <- tm_map(corpus3, gsub, pattern = "aplg", replacement = "apalagi ")
corpus3 <- tm_map(corpus3, gsub, pattern = "ditambahkan", replacement = "tambah ")
corpus3 <- tm_map(corpus3, gsub, pattern = "benefit", replacement = "keuntungan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "pandemic", replacement = "pandemi ")
corpus3 <- tm_map(corpus3, gsub, pattern = "pembuatan", replacement = "buat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dipake", replacement = "dipakai ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dalem", replacement = "dalam ")
corpus3 <- tm_map(corpus3, gsub, pattern = "suport", replacement = "dukungan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "amazing", replacement = "hebat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "worth", replacement = "setimpal ")
corpus3 <- tm_map(corpus3, gsub, pattern = "netes", replacement = "menetes ")
corpus3 <- tm_map(corpus3, gsub, pattern = "cba", replacement = "coba ")
corpus3 <- tm_map(corpus3, gsub, pattern = "hasiat", replacement = "khasiat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "wraped", replacement = "terbungkus ")
corpus3 <- tm_map(corpus3, gsub, pattern = "ringkes", replacement = "ringkas ")
corpus3 <- tm_map(corpus3, gsub, pattern = "sprt", replacement = "seperti ")
corpus3 <- tm_map(corpus3, gsub, pattern = "mgkin", replacement = "mungkin ")
corpus3 <- tm_map(corpus3, gsub, pattern = "input", replacement = "masukkan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "buy", replacement = "beli ")
corpus3 <- tm_map(corpus3, gsub, pattern = "difoto", replacement = "foto ")
corpus3 <- tm_map(corpus3, gsub, pattern = "diambil", replacement = "ambil ")
corpus3 <- tm_map(corpus3, gsub, pattern = "ekspetasi", replacement = "ekspektasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = "wktu", replacement = "waktu ")
corpus3 <- tm_map(corpus3, gsub, pattern = "oily", replacement = "berminyak ")
corpus3 <- tm_map(corpus3, gsub, pattern = "wlpn", replacement = "walaupun ")
corpus3 <- tm_map(corpus3, gsub, pattern = "first", replacement = "pertama ")
corpus3 <- tm_map(corpus3, gsub, pattern = "fedback", replacement = "masukkan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "impact", replacement = "dampak ")
corpus3 <- tm_map(corpus3, gsub, pattern = "pengawet", replacement = "awet ")
corpus3 <- tm_map(corpus3, gsub, pattern = "peking", replacement = "packing ")
corpus3 <- tm_map(corpus3, gsub, pattern = "syuka", replacement = "suka ")
corpus3 <- tm_map(corpus3, gsub, pattern = "disni", replacement = "disini ")
corpus3 <- tm_map(corpus3, gsub, pattern = "perbotol", replacement = "botol ")
corpus3 <- tm_map(corpus3, gsub, pattern = "syekali", replacement = "sekali ")
corpus3 <- tm_map(corpus3, gsub, pattern = "standar", replacement = "standard ")
corpus3 <- tm_map(corpus3, gsub, pattern = "rekomendasikan", replacement = "rekomendasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = "handle", replacement = "penanganan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "besoka", replacement = "besok ")
corpus3 <- tm_map(corpus3, gsub, pattern = "back", replacement = "kembali ")
corpus3 <- tm_map(corpus3, gsub, pattern = "ketauan", replacement = "ketahuan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "costumer", replacement = "pelanggan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "ngabisin", replacement = "habis ")
corpus3 <- tm_map(corpus3, gsub, pattern = "keceh", replacement = "bagus ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dimasukin", replacement = "dimasukkan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "kasian", replacement = "kasihan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dikulkasin", replacement = "pendingin ")
corpus3 <- tm_map(corpus3, gsub, pattern = "ever", replacement = "pernah ")
corpus3 <- tm_map(corpus3, gsub, pattern = "sure", replacement = "tentu ")
corpus3 <- tm_map(corpus3, gsub, pattern = "reponse", replacement = "respon ")
corpus3 <- tm_map(corpus3, gsub, pattern = "penganti", replacement = "pengganti ")
corpus3 <- tm_map(corpus3, gsub, pattern = "bervariasi", replacement = "variasi ")
corpus3 <- tm_map(corpus3, gsub, pattern = "fave", replacement = "kesukaan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "bls", replacement = "balas ")
corpus3 <- tm_map(corpus3, gsub, pattern = "described", replacement = "deskripsi ")
corpus3 <- tm_map(corpus3, gsub, pattern = "pesena", replacement = "pesenan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "ngocor", replacement = "mengalir ")
corpus3 <- tm_map(corpus3, gsub, pattern = "exelent", replacement = "bagus ")
corpus3 <- tm_map(corpus3, gsub, pattern = "barng", replacement = "produk ")
corpus3 <- tm_map(corpus3, gsub, pattern = "waiting", replacement = "menunggu ")
corpus3 <- tm_map(corpus3, gsub, pattern = "response", replacement = "respon ")
corpus3 <- tm_map(corpus3, gsub, pattern = "slamat", replacement = "selamat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "lncar", replacement = "lancar ")
corpus3 <- tm_map(corpus3, gsub, pattern = "bget", replacement = "sangat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "hasilny", replacement = "hasil ")
corpus3 <- tm_map(corpus3, gsub, pattern = "ningkatin", replacement = "meningkatkan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "pnjual", replacement = "penjual ")
corpus3 <- tm_map(corpus3, gsub, pattern = "sedota", replacement = "sedotan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "skalian", replacement = "sekalian ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dipesen", replacement = "pesan ")

```

```

corpus3 <- tm_map(corpus3, gsub, pattern = "jwb", replacement = " jawab ")
corpus3 <- tm_map(corpus3, gsub, pattern = "ntapz", replacement = " mantap ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dark", replacement = " gelap ")
corpus3 <- tm_map(corpus3, gsub, pattern = "respin", replacement = " respon ")
corpus3 <- tm_map(corpus3, gsub, pattern = "icip", replacement = " rasa ")
corpus3 <- tm_map(corpus3, gsub, pattern = "pingin", replacement = " ingin ")
corpus3 <- tm_map(corpus3, gsub, pattern = "dedaunan", replacement = " daun ")
corpus3 <- tm_map(corpus3, gsub, pattern = "bgus", replacement = " bagus ")
corpus3 <- tm_map(corpus3, gsub, pattern = "memproses", replacement = " proses ")
corpus3 <- tm_map(corpus3, gsub, pattern = "baranh", replacement = " produk ")
corpus3 <- tm_map(corpus3, gsub, pattern = "stelah", replacement = " setelah ")
corpus3 <- tm_map(corpus3, gsub, pattern = "sufor", replacement = " susu ")
corpus3 <- tm_map(corpus3, gsub, pattern = "terpenting", replacement = " penting ")
corpus3 <- tm_map(corpus3, gsub, pattern = "bnget", replacement = " sangat ")
corpus3 <- tm_map(corpus3, gsub, pattern = "setoples", replacement = " toples ")
corpus3 <- tm_map(corpus3, gsub, pattern = "star", replacement = " bintang ")
corpus3 <- tm_map(corpus3, gsub, pattern = "gratisa", replacement = " gratis ")
corpus3 <- tm_map(corpus3, gsub, pattern = "courier", replacement = " kurir ")
corpus3 <- tm_map(corpus3, gsub, pattern = "ditawarkan", replacement = " tawar ")
corpus3 <- tm_map(corpus3, gsub, pattern = "psan", replacement = " pesan ")
corpus3 <- tm_map(corpus3, gsub, pattern = "toplah", replacement = " top ")
corpus3 <- tm_map(corpus3, gsub, pattern = "penambah", replacement = " tambah ")
corpus3 <- tm_map(corpus3, gsub, pattern = "produkny", replacement = " produk ")
corpus3 <- tm_map(corpus3, gsub, pattern = "terisi", replacement = " isi ")
corpus3 <- tm_map(corpus3, gsub, pattern = "price", replacement = " harga ")
corpus3 <- tm_map(corpus3, gsub, pattern = "meluber", replacement = " luber ")
corpus3 <- tm_map(corpus3, gsub, pattern = "cklit", replacement = " coklat ")

corpus3 <- tm_map(corpus3, removeWords, id_stopwords)

#hilangkan emoji
corpus3 <- tm_map(corpus3, gsub,
  pattern = "[^\x01-\x7F]",
  replacement = "")

#buat dokumen matrix untuk mengetahui kemunculan kata-kata
tdm3 <- TermDocumentMatrix(corpus3)
tdm3
tdm3 <- as.matrix(tdm3)
tdm3[1:10, 1:20]
#barplot
w3 <- rowSums(tdm3)
w3 <- subset(w3, w3>=3)
w3 <- sort(w3,decreasing = TRUE)
barplot(w3,Las = 2, col = rainbow(50))
print(w3)
#ubah jadi CSV
df3 <- data.frame(word = names(w3), freq = w3)
write.csv(x=df3, file = "frekuensi_minuman_tokopedia.csv", row.names = FALSE)

#word cloud
library(wordcloud)
set.seed(10)
wordcloud(words = df3$word, freq = df3$freq, min.freq = 88, random.order=FALSE, rot.per=0.35,
  colors=brewer.pal(8, "Dark2"))

dt3 <- read_xlsx("D:\\Pascasarjana\\TESIS\\Minuman_Tokopedia\\indonesian_sentiment_words.xlsx", sheet =
1)
pos <- dt3$word[dt3$sentiment == "positive"]
neg <- dt3$word[dt3$sentiment == "negative"]
print (pos)
print (neg)

#sentiment scoring analysis
sentiment_scoring <- function(texts, pos_words, neg_words, defined_aspects){
  all_words <- strsplit(texts, "\\s+")
  scores <- c()
  overall <- c()
  positives <- list()
  negatives <- list()
  aspects <- list()
  for (words in all_words){
    pos_matches <- !is.na(match(words, pos_words))
    neg_matches <- !is.na(match(words, neg_words))
  }
}

```

```

score <- sum(pos_matches) - sum(neg_matches)
positive <- intersect(words, pos_words)
negative <- intersect(words, neg_words)
aspect <- intersect(words, defined_aspects)
scores <- append(scores, score)
positives <- append(positives, list(positive))
negatives <- append(negatives, list(negative))
aspects <- append(aspects, list(aspect))
if (score <0){
  overall <- append(overall, "negative")
}else if (score>0){
  overall <- append(overall, "positive")
} else {
  overall <- append(overall, "mix/neutral")
}
}
}
result_df <- data.frame(text = texts, score = scores, overall_sentiment= overall)
result_df$positive_words <- as.matrix(positives)
result_df$negative_words <- as.matrix(negatives)
result_df$aspects <- as.matrix(aspects)
return(result_df)
}
asp <-
c("cepat", "enak", "produk", "pesan", "kirim", "respon", "penjual", "segar", "jus", "beli", "packing", "rapih", "pesanan", "ulang",
g", "diterima", "jamu", "aman", "pelayanan", "kemasan", "bonus", "ramah", "lemon", "lancar", "packaging", "deskripsi", "p
roses", "harga", "gratis", "kunyit", "pelanggan", "daun", "belanja", "bubble", "pemilik", "jahe", "gula")

results <- sentiment_scoring(get("content", corpus3), pos, neg, asp)
View(results)
df <- data.frame(results)
write.csv(x = as.matrix(results), file = "results_minuman_tokopedia.csv", row.names = FALSE)

#Deeper Analysis
analyze_sentiment <- function(pos_words, neg_words, name = "all", path = ""){
  tryCatch({
    pos_corpus <- Reduce(c, pos_words)
    pos_corpus <- Corpus(VectorSource(pos_corpus))
    pos_tdm <- TermDocumentMatrix(pos_corpus)
    pos_tdm <- as.matrix(pos_tdm)
    pos_w <- rowSums(pos_tdm)
    pos_w <- sort(pos_w, decreasing = TRUE)
    png(filename = sprintf ("%s%s_positive.png", path, name))
    barplot(pos_w, las = 2, col = 'green')
    dev.off()
  }, error = function(e) {cat("ERROR :", conditionMessage(e), "\n")})

  tryCatch({
    neg_corpus <- Reduce(c, neg_words)
    neg_corpus <- Corpus(VectorSource(neg_corpus))
    neg_tdm <- TermDocumentMatrix(neg_corpus)
    neg_tdm <- as.matrix(neg_tdm)
    neg_w <- rowSums(neg_tdm)
    neg_w <- sort(neg_w, decreasing = TRUE)
    png(filename = sprintf ("%s%s_negative.png", path, name))
    barplot(neg_w, las = 2, col = 'red')
    dev.off()
  }, error = function(e) {cat("ERROR :", conditionMessage(e), "\n")})
}
analyze_sentiment(results$positive_words, results$negative_words)
neg_corpus1 <- Reduce(c, results$negative_words)
neg_corpus1 <- Corpus(VectorSource(neg_corpus1))
neg_tdm1 <- TermDocumentMatrix(neg_corpus1)
neg_tdm1 <- as.matrix(neg_tdm1)
neg_w1 <- rowSums(neg_tdm1)
neg_w1 <- sort(neg_w1, decreasing = TRUE)
df_neg <- data.frame(word = names(neg_w1), freq = neg_w1)
write.csv(df_neg, file = "negatif_minuman_tokopedia.csv", row.names = FALSE)
pos_corpus1 <- Reduce(c, results$positive_words)
pos_corpus1 <- Corpus(VectorSource(pos_corpus1))
pos_tdm1 <- TermDocumentMatrix(pos_corpus1)
pos_tdm1 <- as.matrix(pos_tdm1)
pos_w1 <- rowSums(pos_tdm1)
pos_w1 <- sort(pos_w1, decreasing = TRUE)

```

```
df_pos <- data.frame(word = names(pos_w1), freq = pos_w1)
write.csv(df_pos, file = "positif_minuman_tokopedia.csv", row.names = FALSE)
#analisis aspek
for (a in asp){
  subset_df <- results[grep(a, results$text), ]
  subset_path <- "aspect/"
  csv_file <- sprintf("%sresult_%s.csv", subset_path, a)
  write.csv(x = as.matrix(subset_df), file = csv_file, row.names = FALSE)
  analyze_sentiment(subset_df$positive_words, subset_df$negative_words, name = a, path = subset_path)
}
```



Lampiran 5

Indonesian Stopwords untuk Gerai Makanan

ada
adalah
adanya
adapun
agak
agakny
agar
akan
akankah
akhir
akhiri
akhirnya
aku
akulah
amat
amatlah
anda
andalah
antar
antara
antaranya
apa
apaan
apabila
apakah
apalagi
apatah
artinya
asal
asalkan
atas
atau
ataukah
ataupun
awal
awalnya
bagai
bagaimana
bagaimanakah
bagaimanapun
bagi
bagian
bahkan
bahwa
bahwasanya
baik
bakal
bakalan
balik
banyak
bapak
baru
bawah
beberapa
begini
beginian
beginikah
beginilah
begitu
begitukah
begitulah
begitupun
bekerja
belakang
belakangan
belum
belumlah
benar



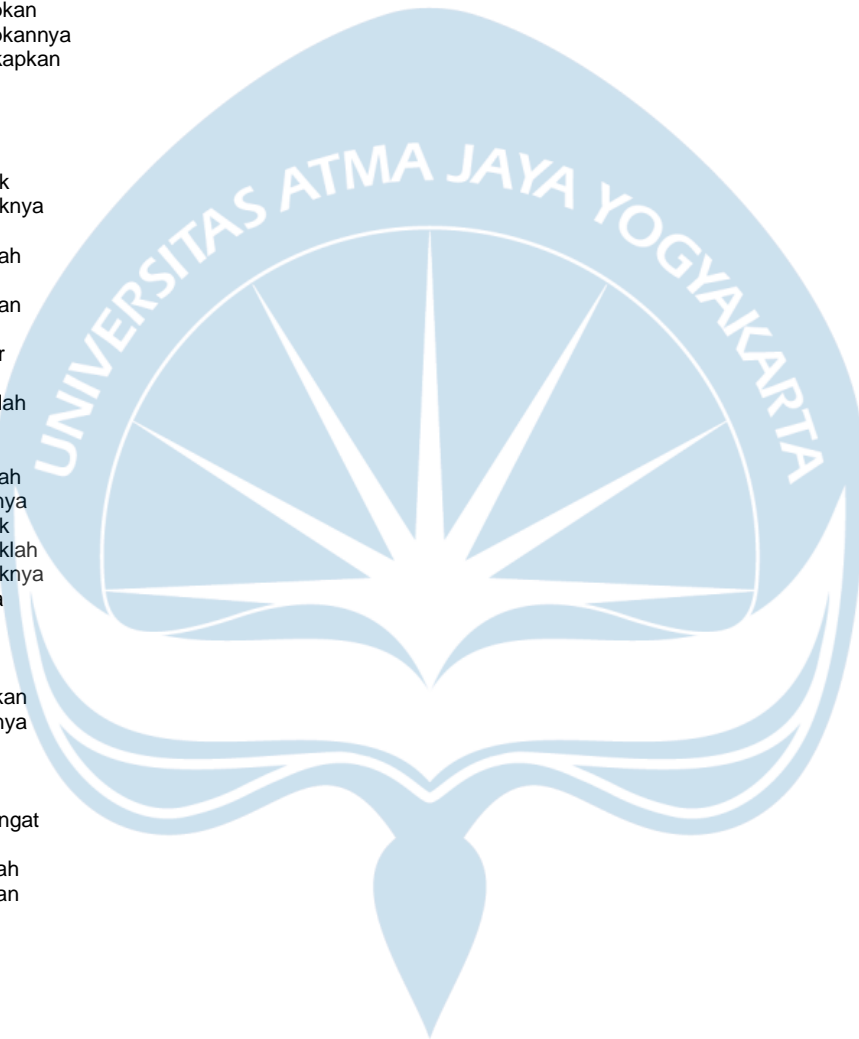
benarkah
benarlah
berada
berakhir
berakhirlah
berakhirnya
berapa
berapakah
berapalah
berapapun
berarti
berawal
berbagai
berdatangan
beri
berikan
berikut
berikutnya
berjumlah
berkali-kali
berkata
berkehendak
berkeinginan
berkenaan
berlainan
berlalu
berlangsung
berlebihan
bermacam
bermacam-macam
bermaksud
bermula
bersama
bersama-sama
bersiap
bersiap-siap
bertanya
bertanya-tanya
berturut
berturut-turut
bertutur
berujar
berupa
besar
betul
betulkah
biasa
biasanya
bila
bilakah
bisa
bisakah
boleh
bolehkah
bolehlah
buat
bukan
bukankah
bukanlah
bukannya
bulan
bung
cara
caranya
cukup
cukupkah
cukuplah
cuma
dahulu
dalam
dan
dapat
dari



daripada
datang
dekat
demi
demikian
demikianlah
dengan
depan
di
dia
diakhiri
diakhirinya
dialah
diantara
diantaranya
diberi
diberikan
diberikannya
dibuat
dibuatnya
didapat
didatangkan
digunakan
diibaratkan
diibaratkannya
diingat
diingatkan
diinginkan
dijawab
dijelaskan
dijelaskannya
dikarenakan
dikatakan
dikatakannya
dikerjakan
diketahui
diketahuinya
dikira
dilakukan
dilalui
dilihat
dimaksud
dimaksudkan
dimaksudkannya
dimaksudnya
diminta
dimintai
dimisalkan
dimulai
dimulailah
dimulainya
dimungkinkan
dini
dipastikan
diperbuat
diperbuatnya
dipergunakan
diperkirakan
diperlihatkan
diperlukan
diperlukannya
dipersoalkan
dipertanyakan
dipunyai
diri
dirinya
disampaikan
disebut
disebutkan
disebutkannya
disini
disinilah
ditambahkan



ditandaskan
ditanya
ditanyai
ditanyakan
ditegaskan
ditujukan
ditunjuk
ditunjuki
ditunjukkan
ditunjukkannya
ditunjuknya
dituturkan
dituturkannya
diucapkan
diucapkannya
diungkapkan
dong
dua
dulu
empat
enggak
enggaknya
entah
entahlah
guna
gunakan
hal
hampir
hanya
hanyalah
hari
harus
haruslah
harusnya
hendak
hendaklah
hendaknya
hingga
ia
ialah
ibarat
ibaratkan
ibaratnya
ibu
ikut
ingat
ingat-ingat
ingin
inginkah
inginkan
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inilah
itu
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itulah
jadi
jadilah
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jangan
jangkalan
janganlah
jauh
jawab
jawaban
jawabnya
jelas
jelaskan
jelaslah
jelasnya
jika
jikalau
juga



jumlah
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kalau
kalaulah
kalupun
kalian
kami
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kan
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katanya
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kecil
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kelihatan
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kemudian
kemungkinan
kemungkinannya
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kepadanya
kesampaian
keseluruhan
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khususnya
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kurang
lagi
lagian
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lewat
lima
luar
macam
maka



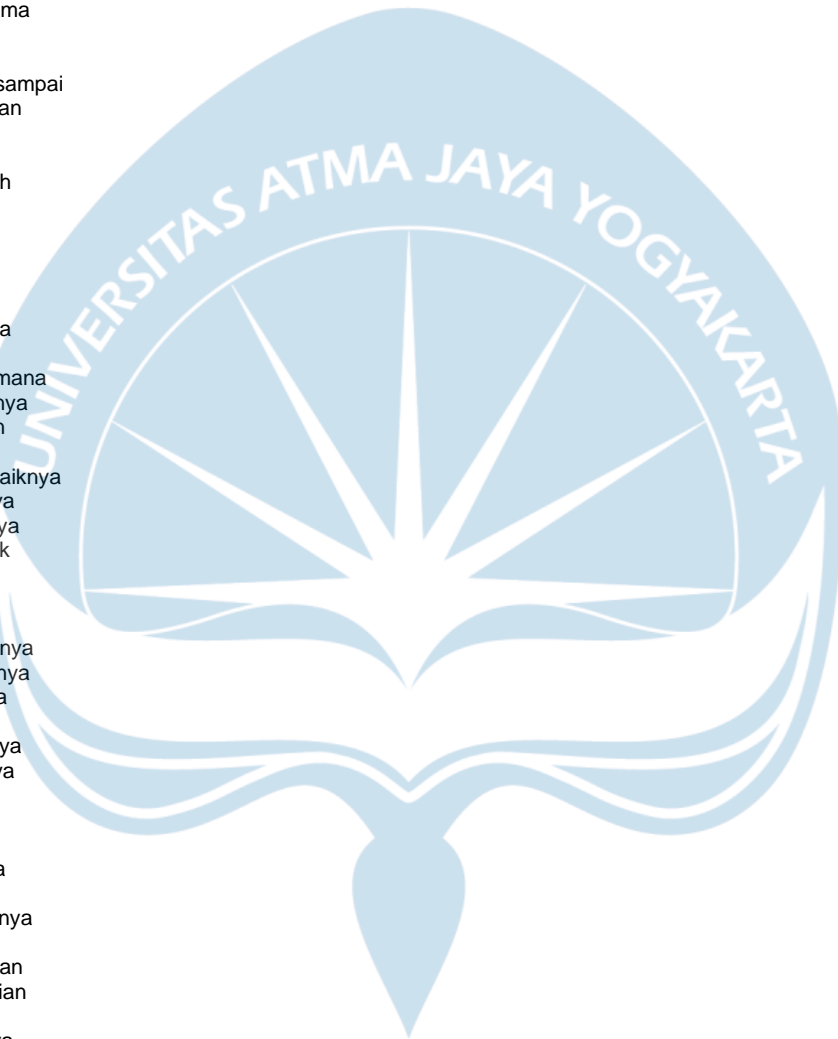
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melihat
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membuat
memerlukan
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meminta
memintakan
memisalkan
memperbuat
mempergunakan
memperkirakan
memperlihatkan
mempersiapkan
mempersoalkan
mempertanyakan
mempunyai
memulai
memungkinkan
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menambahkan
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menanti
menanti-nanti
menantikan
menanya
menyanyi
menanyakan
mendapat
mendapatkan
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secukupnya
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segalanya
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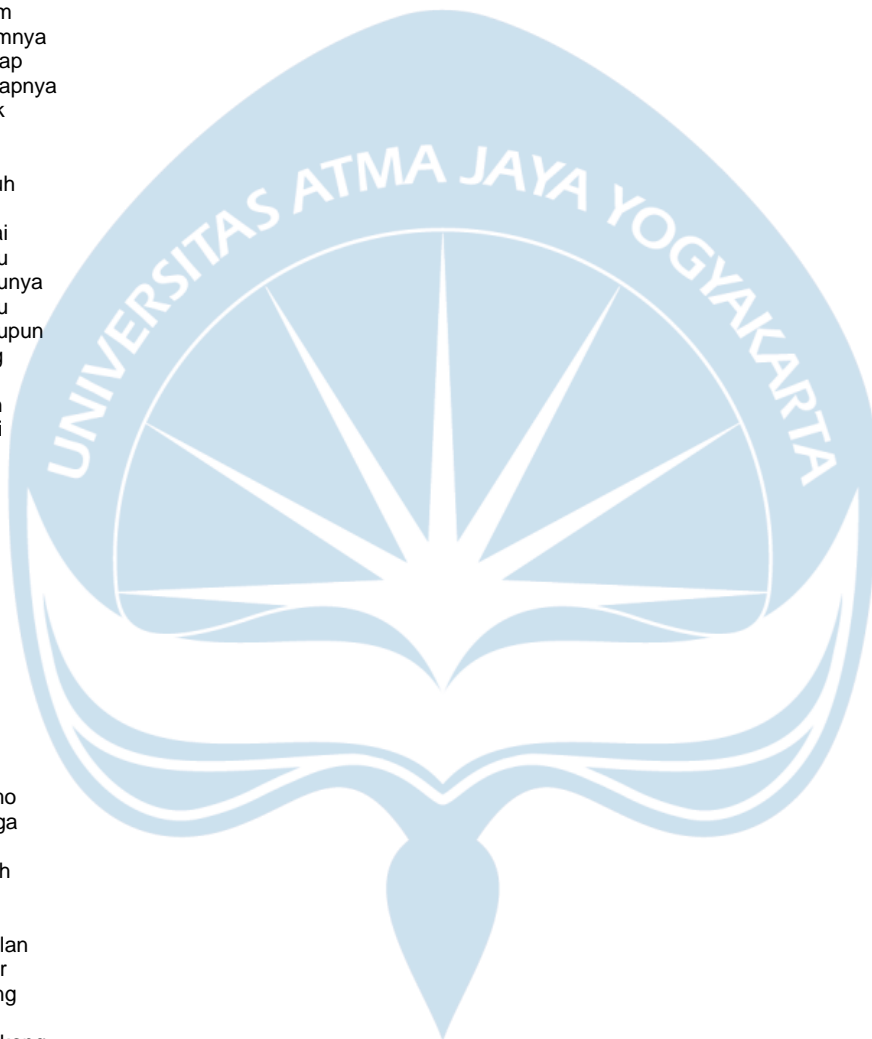
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semaunya
sementara
semisal
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semua
semuanya
semula
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sendirinya
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seorang
sepanjang
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sepantasnyalah
seperlunya
seperti
sepertinya
sepihak
sering
seringnya
serta
serupa
sesaat
sesama
sesampai
sesegera
sesekali
seseorang
sesuatu
sesuatunya
sesudah
sesudahnya
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setempat
setengah
seterusnya
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setiba
setibanya
setidak-tidaknya
setidaknya
setinggi



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sewaktu
siap
siapa
siapakah
siapapun
sini
sinilah
soal
soalnya
suatu
sudah
sudahkah
sudahlah
supaya
tadi
tadinya
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tahun
tak
tambah
tambahnya
tampak
tampaknya
tandas
tandasnya
tanpa
tanya
tanyakan
tanyanya
tapi
tegas
tegasnya
telah
tempat
tengah
tentang
tentu
tentulah
tentunya
tepat
terakhir
terasa
terbanyak
terdahulu
terdapat
terdiri
terhadap
terhadapnya
teringat
teringat-ingat
terjadi
terjadilah
terjadinya
terkira
terlalu
terlebih
terlihat
termasuk
ternyata
tersampaikan
tersebut
tersebutlah
tertentu
tertuju
terus
terutama
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tetapi
tiap
tiba
tiba-tiba
tidak



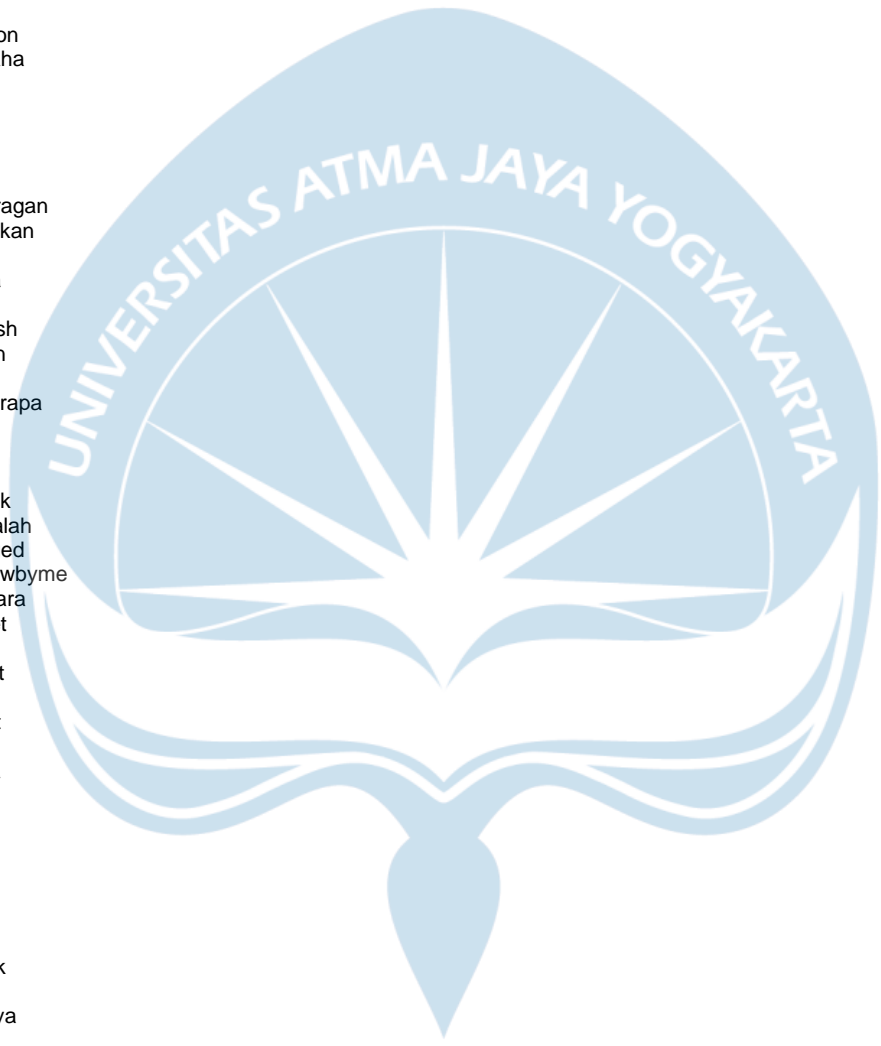
tidakkah
tidaklah
tiga
tinggi
toh
tunjuk
turut
tutur
tuturnya
ucap
ucapnya
ujar
ujarnya
umum
umumnya
ungkap
ungkapnya
untuk
usah
usai
waduh
wah
wahai
waktu
waktunya
walau
walaupun
wong
yaitu
yakini
yakni
yang
bgt
hehe
deh
udh
uda
gak
nih
utk
man
sat
kalo
sih
lai
warmo
manga
aja
sudah
suda
smpi
perjalan
banar
jepang
stuf
hongkong
makasiy
awak
uny
mantablah
terima
kasih
pas
kali
sdh
udah
thanks
semoga
sukses
makasih
terimakasih
dgn
krn



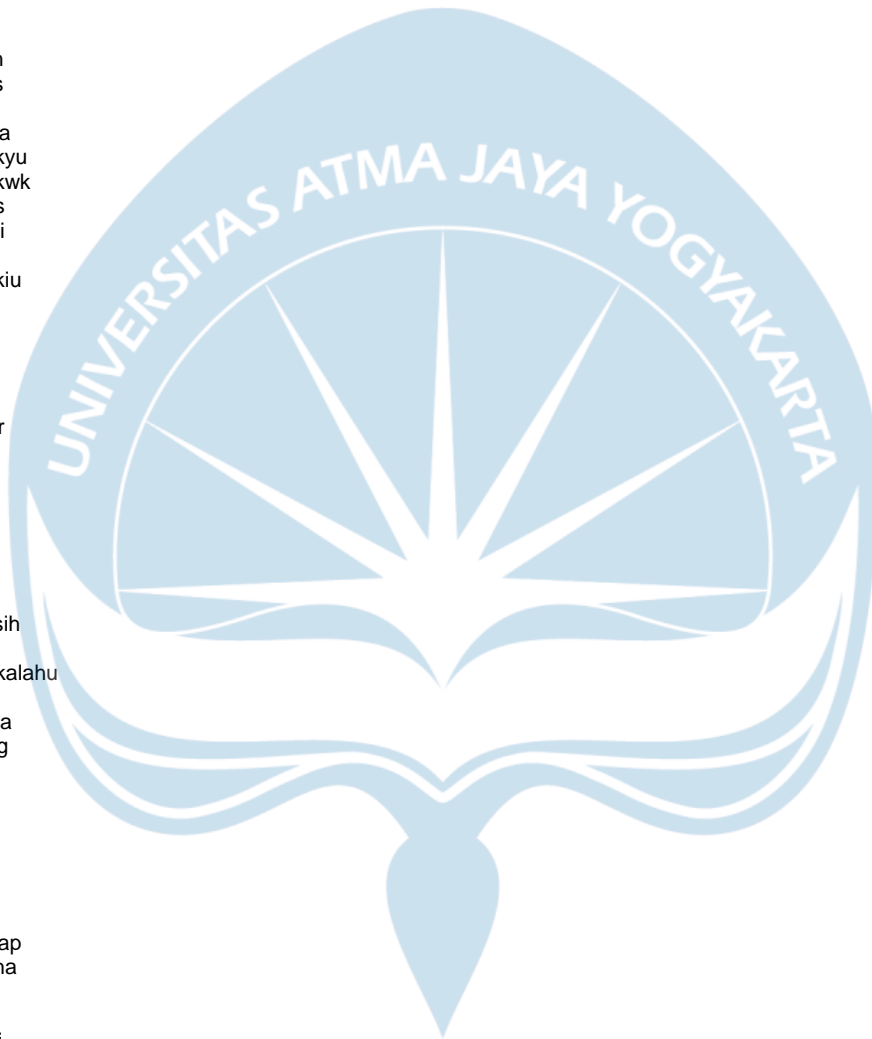
pake
blm
god
thank
you
alhamdulillah
uni
the
kak
and
sayang
gan
klo
dah
tdk
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siang
berkali
bintang
trims
kayak
thx
biar
maf
nga
kaya
ngak
mpe
lbh
spt
makasi
brp
selamat
salah
dpt
msh
yah
very
reh
gitu
dlm
tau
ety
sip
mik
smoga
hehehe
for
pengen
lai
mksh
senak
pol
karna
sgt
mba
emang
bngt
alah
smg
galada
bermik
mah
krng
tokopedia
trus
nampol
toped
bilang
ksh
ika
kyk
jgn



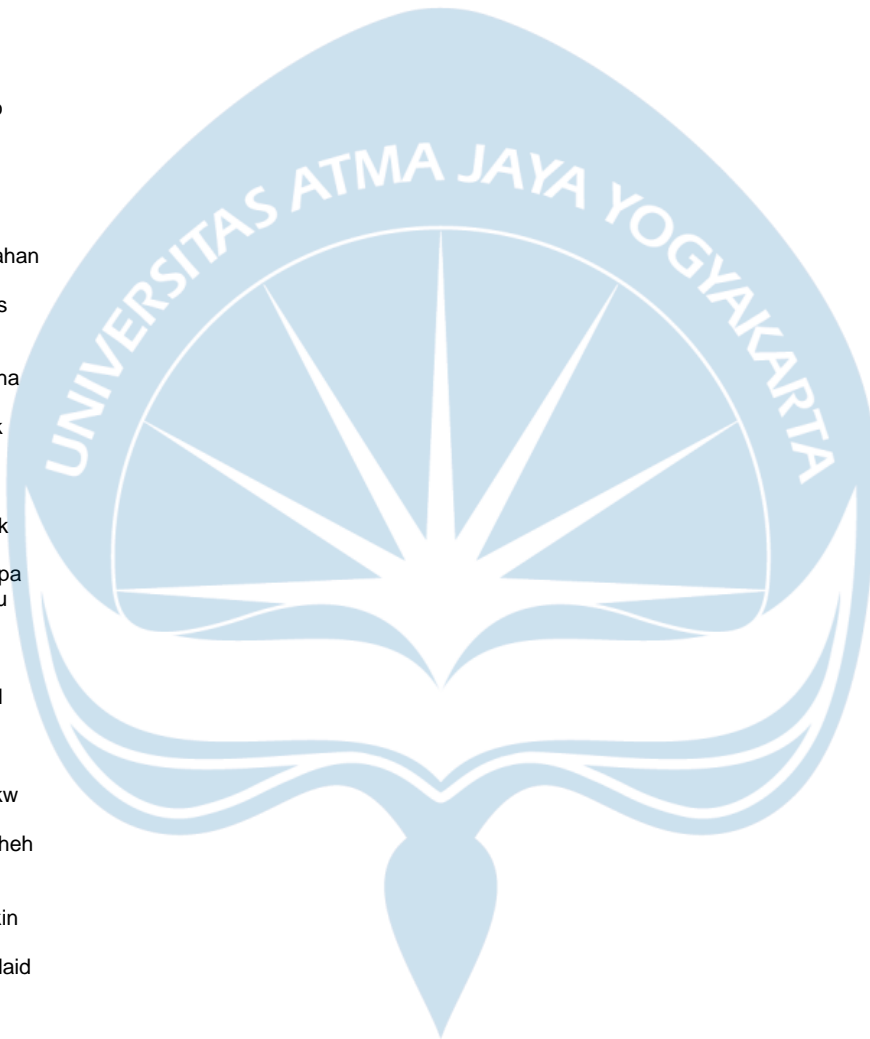
rujak
trimakasih
trs
tksh
moga
sehinga
tokped
pdhl
anaku
thankyou
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wil
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paris
mohon
hahaha
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lamak
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damara
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amut
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amin
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kel
mbak
drpd
masya
yes
baha
masalah
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koq
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yum
being
dng
kalasa
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renata
kek
gara
mak
buru
doang
ngka



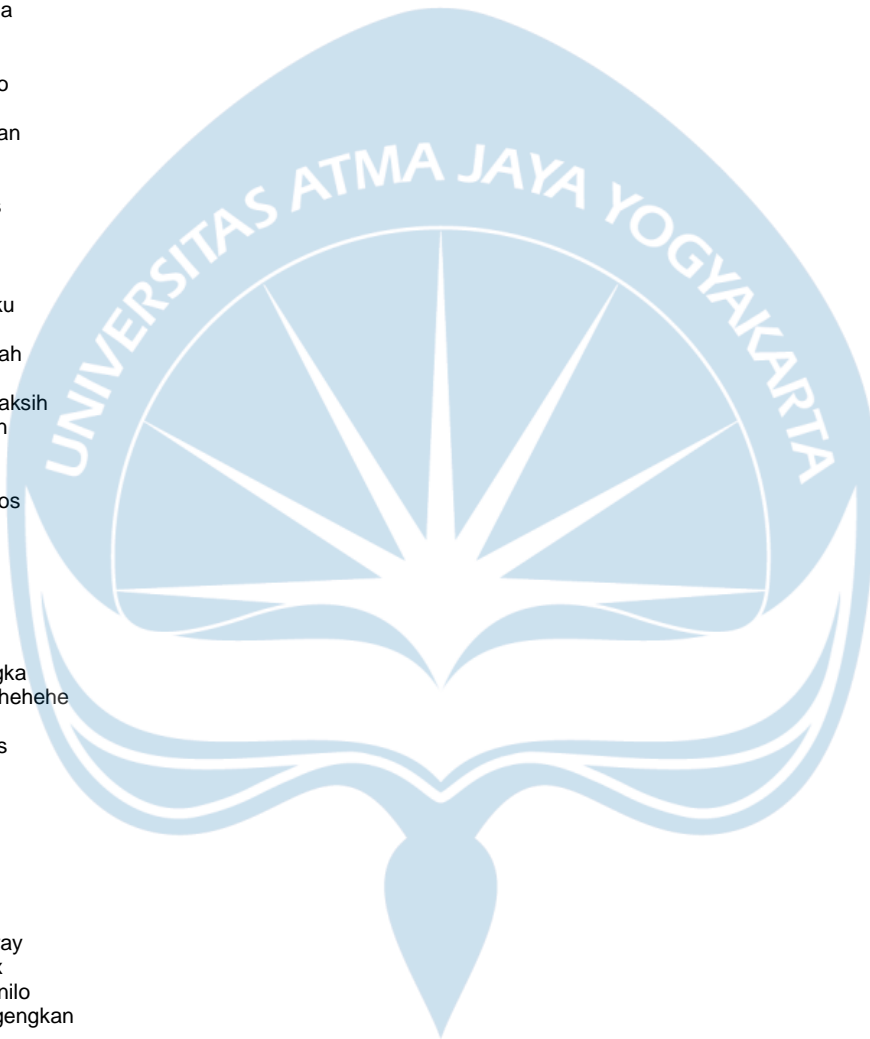
bakan
insya
pertan
krave
verte
thks
ank
abang
duper
bolak
btw
guys
hehehehe
keng
ngk
bakin
thaks
ane
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wkwkwk
tengs
merci
man
tengkiu
nyus
gtu
bath
umi
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ngiler
bak
ini
gbu
ber
nget
gaes
hihi
mkasih
they
barakalahu
cus
mama
kaling
sum
sich
tuk
depa
neh
ajah
pese
nyokap
masha
them
amp
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ter
gabisa
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its



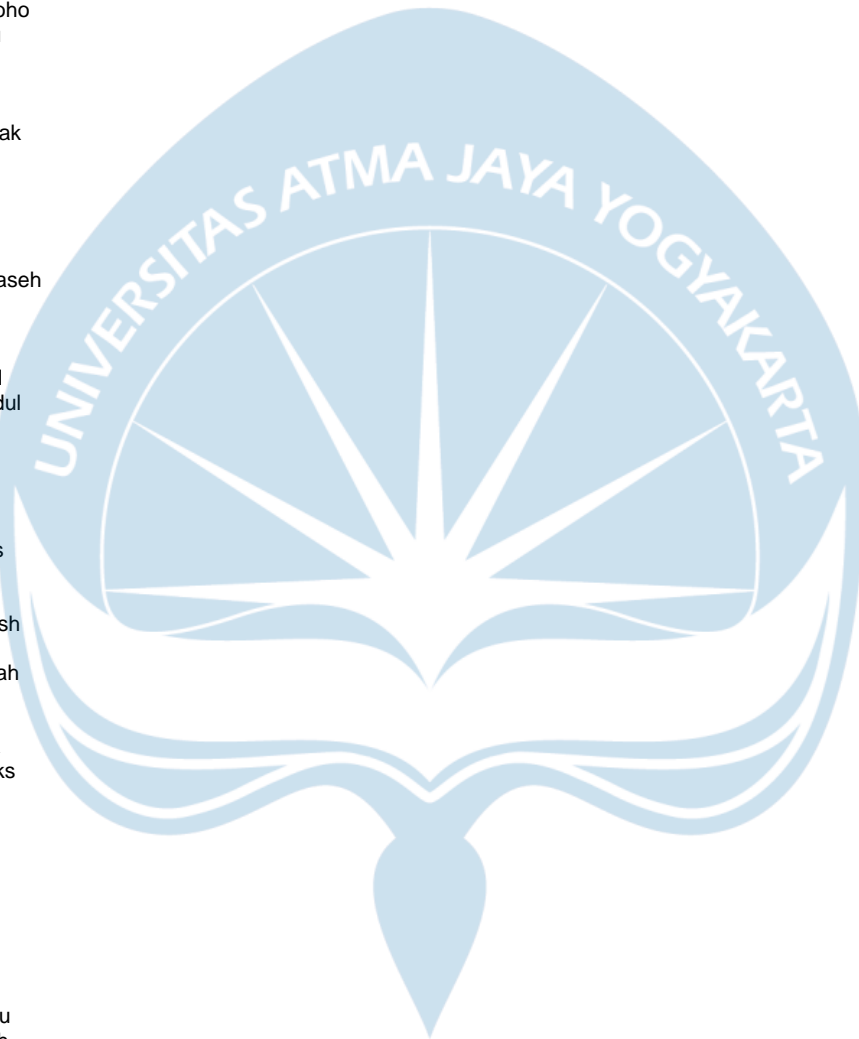
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jga
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sara
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doank
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beliau
sep
beuh
dud
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pejia
kos
cep
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huhu
heheheh
niy
tok
dibakin
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galadaid
bks
yuk
bet
timu
uwuh
fik
yach
ashar
konds
maksih
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rec
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sia
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emak
aza
plg
ruar



siy
bumbum
kempat
ayo
malen
meong
nyos
bdg
gua
vega
gais
bro
sori
cocola
bun
pauk
salero
jiba
khairan
who
usa
thnks
kai
pesa
dip
thanku
tmp
mamah
truz
terimakasih
mikan
sista
hehe
gandos
trim
inih
eak
yha
txs
akuh
mengka
hehehehehe
ino
tastes
bigul
lha
cuy
yey
rek
hai
adik
anyway
thanx
lemonilo
mengengkan
lien
trimakasi
gag
pkl
olshop
asoka
nian
bcp
beaucoup
ctv
nch
sreng
fiki
pokoe
jazakumulahu
khoyron
jazakumulah
katsiera



pies
cmx
jahitan
ras
nie
don
penge
suer
pan
yaps
sel
eui
oia
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wahyu
sdr
bidh
yaumil
diperbak
sar
dam
siplah
woi
ambo
wagelaseh
kya
masin
meci
kendul
surendul
totaly
kah
thxu
lage
dau
gratias
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trimaksh
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san
siyh
ciamik
hikshiiks
lokio
lawa
mang
puluh
skr
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huhuhu
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kalio
ush
aloh
sanjay
nih
barokalah
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toyibah
afwan
keta
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nyo
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perjalan
jos
trm
alot
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buak
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second
memberkati
tuhan
recsel
son
sekera
pie



Lampiran 6

Indonesian Stopwords untuk Gerai Minuman

ada
adalah
adanya
adapun
agak
agakny
agar
akan
akankah
akhir
akhiri
akhirnya
aku
akulah
amat
amatlah
anda
andalah
antar
antara
antaranya
apa
apaan
apabila
apakah
apalagi
apatah
artinya
asal
asalkan
atas
atau
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awal
awalnya
bagai
bagaimana
bagaimanakah
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bagi
bagian
bahkan
bahwa
bahwasanya
baik
bakal
bakalan
balik
banyak
bapak
baru
bawah
beberapa
begini
beginian
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begitupun
bekerja
belakang
belakangan
belum
belumlah
benar



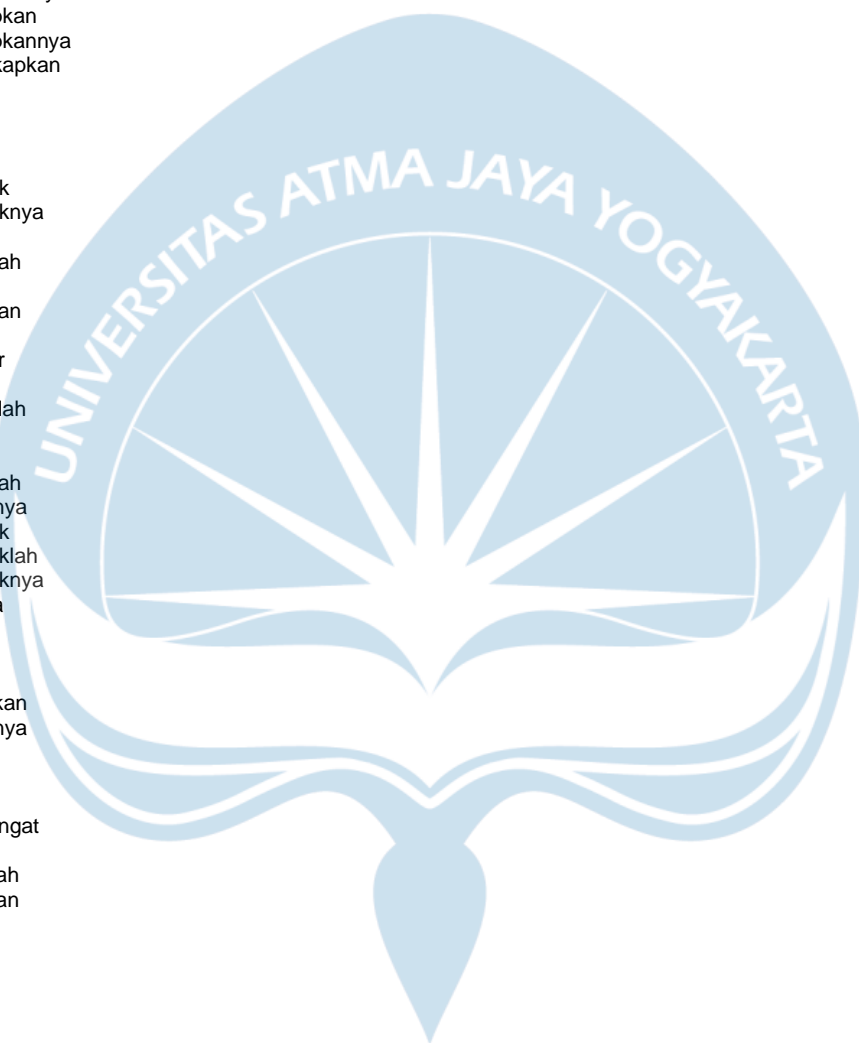
benarkah
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berjumlah
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berkeinginan
berkenaan
berlainan
berlalu
berlangsung
berlebihan
bermacam
bermacam-macam
bermaksud
bermula
bersama
bersama-sama
bersiap
bersiap-siap
bertanya
bertanya-tanya
berturut
berturut-turut
bertutur
berujar
berupa
besar
betul
betulkah
biasa
biasanya
bila
bilakah
bisa
bisakah
boleh
bolehkah
bolehlah
buat
bukan
bukankah
bukanlah
bukannya
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diketahuinya
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dimaksud
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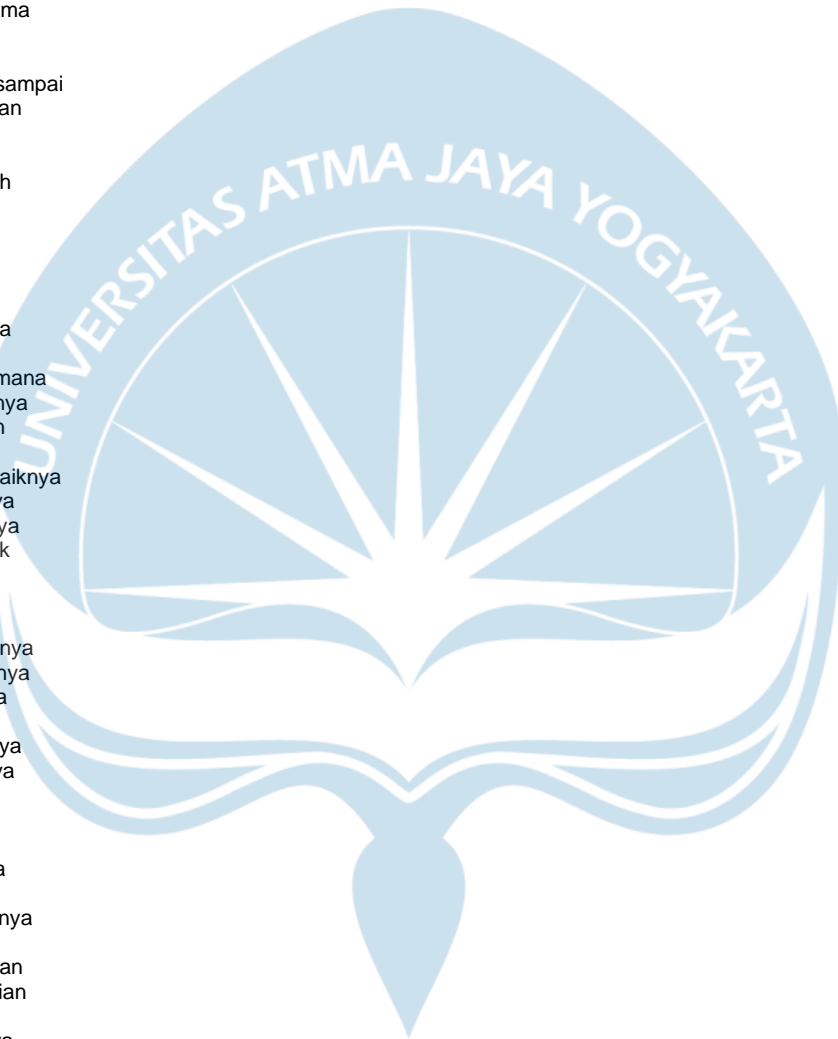
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menunjuknya
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percuma
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perlukah
perlunya
pernah
persoalan
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pertama-tama
pertanyaan
pertanyakan
pihak
pihaknya
pukul



pula
pun
punya
rasa
rasanya
rata
rupanya
saat
saatnya
saja
sajalah
saling
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sama-sama
sambil
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sampai-sampai
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sangat
sangatlah
satu
saya
sayalah
se
sebab
sebabnya
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sebagaimana
sebagainya
sebagian
sebaik
sebaik-baiknya
sebaiknya
sebaliknya
sebanyak
sebegini
sebegitu
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sebelumnya
sebenarnya
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sebetulnya
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sekali
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sekalian
sekaligus



sekalipun
sekarang
sekarang
sekecil
seketika
sekiranya
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sekitarnya
sekurang-kurangnya
sekurangnya
sela
selain
selaku
selalu
selama
selama-lamanya
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semaunya
sementara
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semua
semuanya
semula
sendiri
sendirian
sendirinya
seolah
seolah-olah
seorang
sepanjang
sepantasnya
sepantasnyalah
seperlunya
seperti
sepertinya
sepihak
sering
seringnya
serta
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sesaat
sesama
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sesegera
sesekali
seseorang
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sesuatunya
sesudah
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setidaknya
setinggi



seusai
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siap
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siapakah
siapapun
sini
sinilah
soal
soalnya
suatu
sudah
sudahkah
sudahlah
supaya
tadi
tadinya
tahu
tahun
tak
tambah
tambahnya
tampak
tampaknya
tandas
tandasnya
tanpa
tanya
tanyakan
tanyanya
tapi
tegas
tegasnya
telah
tempat
tengah
tentang
tentu
tentulah
tentunya
tepat
terakhir
terasa
terbanyak
terdahulu
terdapat
terdiri
terhadap
terhadapnya
teringat
teringat-ingat
terjadi
terjadilah
terjadinya
terkira
terlalu
terlebih
terlihat
termasuk
ternyata
tersampaikan
tersebut
tersebutlah
tertentu
bertujuan
terus
terutama
tetap
tetapi
tiap
tiba
tiba-tiba
tidak



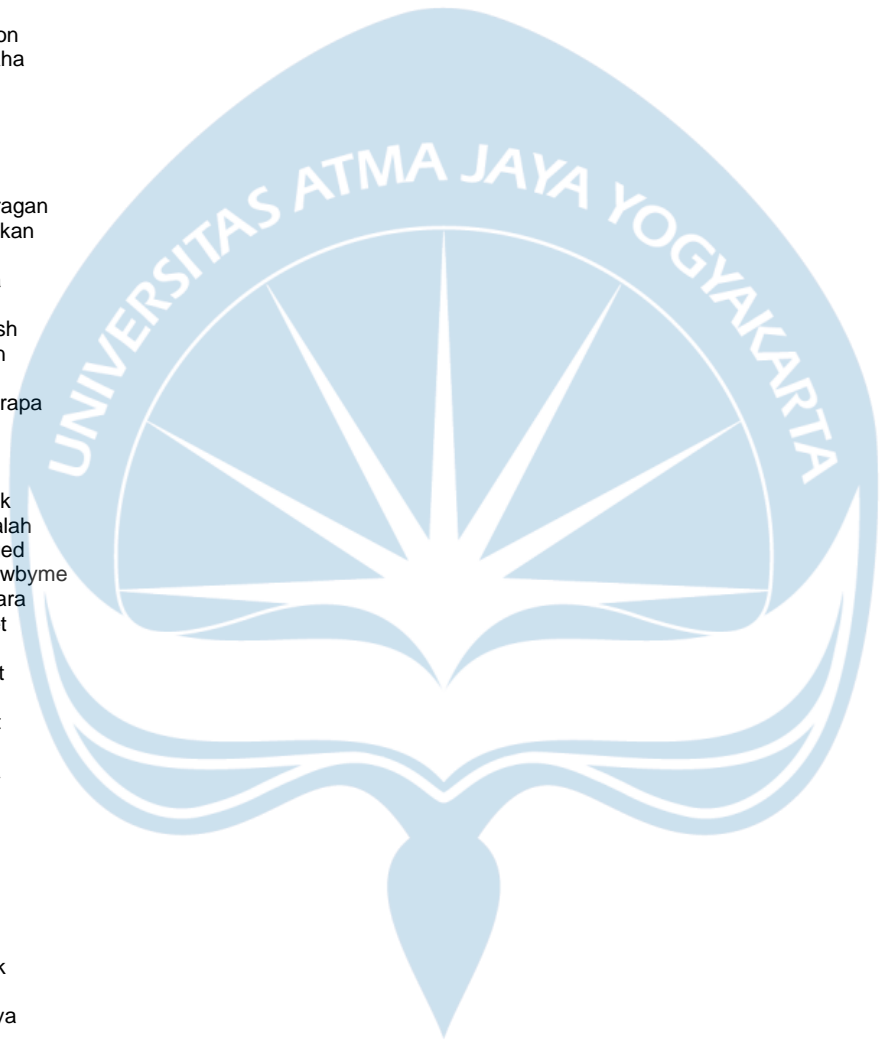
tidakkah
tidaklah
tiga
tinggi
toh
tunjuk
turut
tutur
tuturnya
ucap
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ujarnya
umum
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ungkap
ungkapnya
untuk
usah
usai
waduh
wah
wahai
waktu
waktunya
walau
walaupun
wong
yaitu
yakini
yakni
yang
bgt
hehe
deh
udh
uda
gak
nih
utk
man
sat
kalo
sih
lai
warmo
manga
aja
sudah
suda
smpi
perjalan
banar
jepang
stuf
hongkong
makasiy
awak
uny
mantablah
terima
kasih
pas
kali
sdh
udah
thanks
semoga
sukses
makasih
terimakasih
dgn
krn



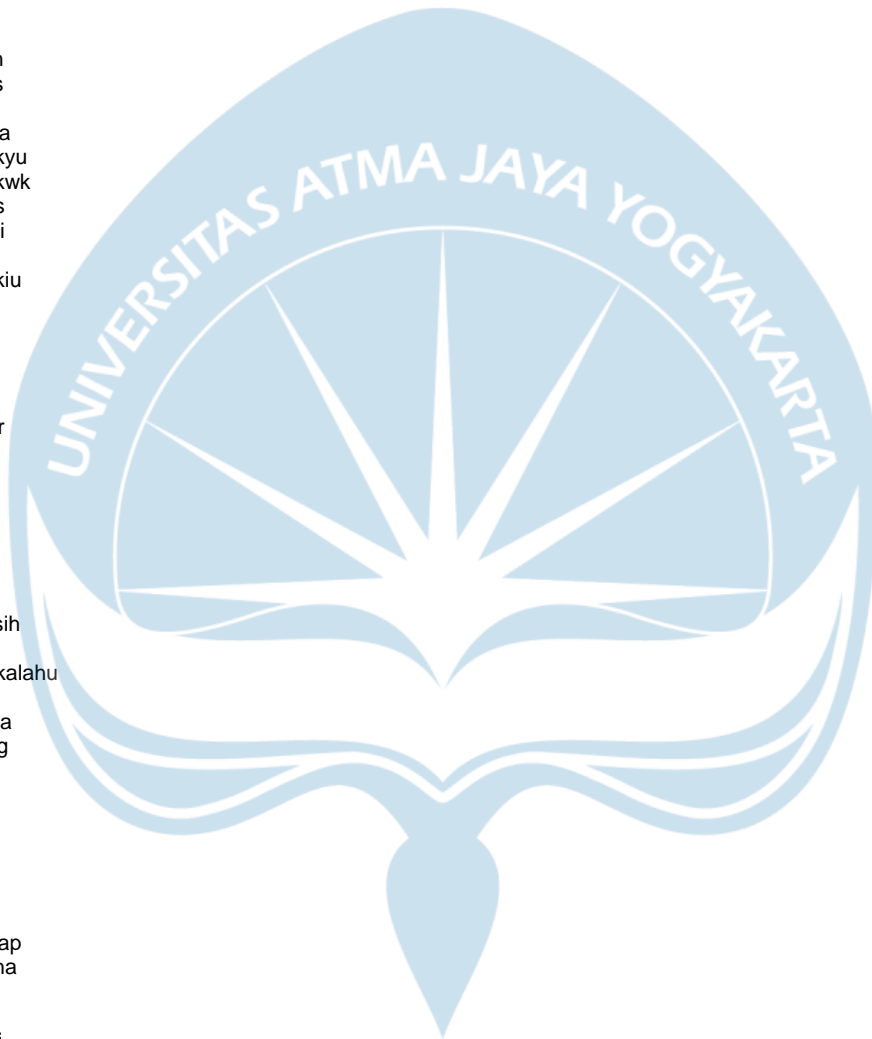
pake
blm
god
thank
you
alhamdulillah
uni
the
kak
and
sayang
gan
klo
dah
tdk
tk
siang
berkali
bintang
trims
kayak
thx
biar
maf
nga
kaya
ngak
mpe
lbh
spt
makasi
brp
selamat
salah
dpt
msh
yah
very
reh
gitu
dlm
tau
ety
sip
mik
smoga
hehehe
for
pengen
lai
mksh
senak
pol
karna
sgt
mba
emang
bngt
alah
smg
galada
bermik
mah
krng
tokopedia
trus
nampol
toped
bilang
ksh
ika
kyk
jgn



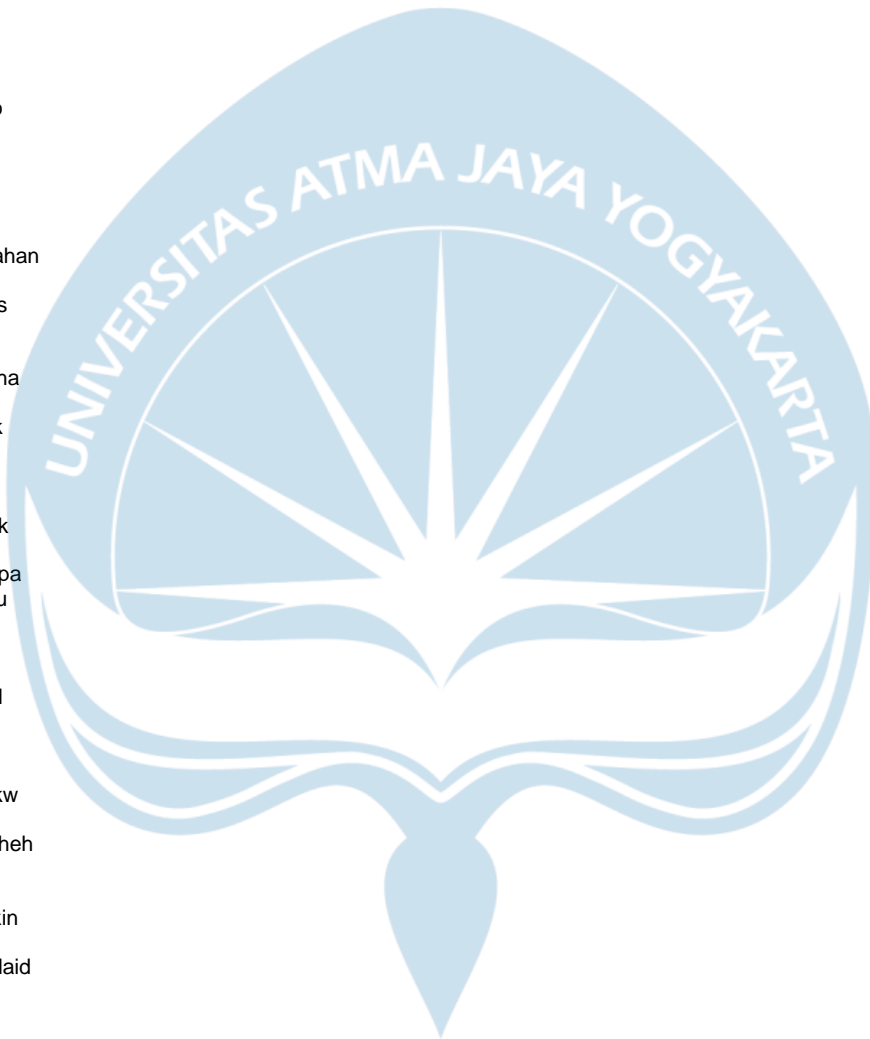
rujak
trimakasih
trs
tksh
moga
sehinga
tokped
pdhl
anaku
thankyou
this
wil
bana
paris
mohon
hahaha
sis
with
umu
asi
ama
djoeragan
kebakan
hrs
trima
but
trmksh
mgkn
krna
keberapa
loh
min
your
lamak
insyallah
banged
reviewbyme
damara
bnget
wow
bingit
gue
amut
gini
haha
far
was
hejo
sist
amin
lho
kel
mbak
drpd
masya
yes
baha
masalah
tpi
koq
deh
yum
being
dng
kalasa
tuh
renata
kek
gara
mak
buru
doang
ngka



bakan
insya
pertan
krave
verte
thks
ank
abang
duper
bolak
btw
guys
hehehehe
keng
ngk
bakin
thaks
ane
ampla
tengkyu
wkwkwk
tengs
merci
man
tengkiu
nyus
gtu
bath
umi
sya
ngiler
bak
ini
gbu
ber
nget
gaes
hihi
mkasih
they
barakalahu
cus
mama
kaling
sum
sich
tuk
depa
neh
ajah
pese
nyokap
masha
them
amp
hihihi
euy
kolang
alhasil
gatau
nich
syukron
ter
gabisa
donk
hahahaha
papa
enakdibungkus
yahud
had
agan
mksih
its



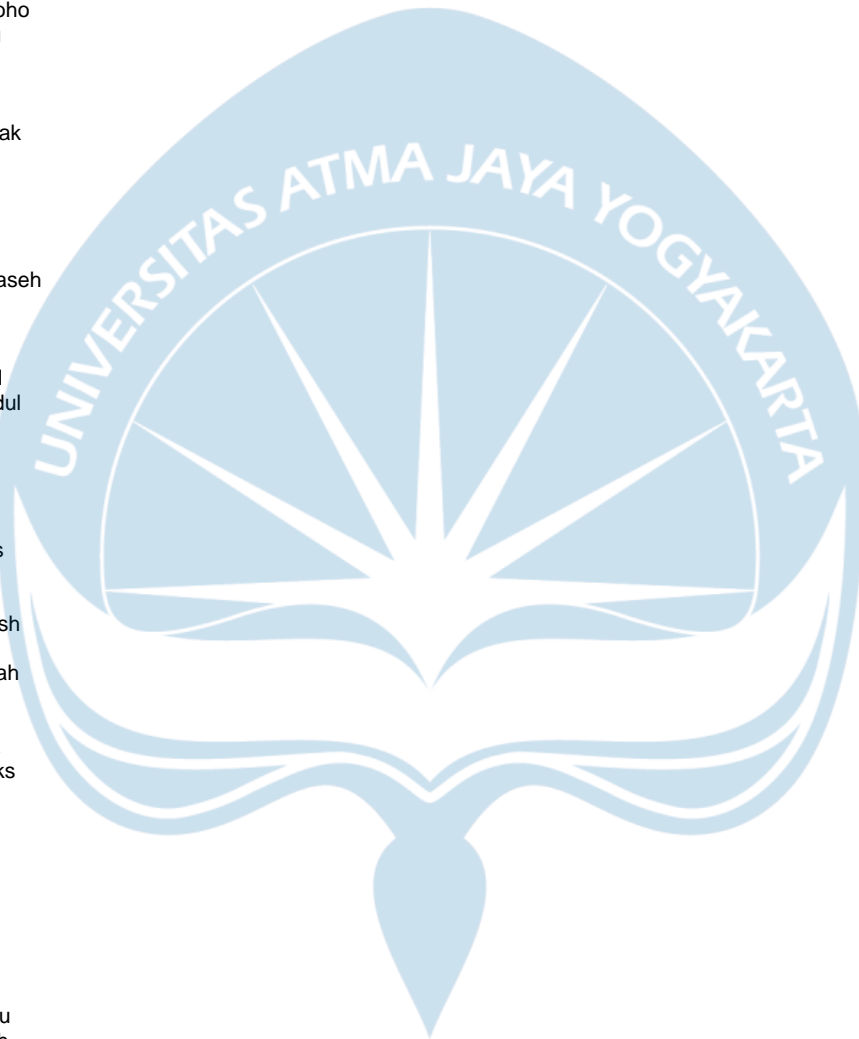
suamiku
nan
tar
dech
pejian
jar
hiks
tes
mertua
that
insha
pisan
saya
trta
istri
test
has
lodho
rawo
cucol
unt
duh
kuy
mudahah
mas
trimks
tabil
rap
akhsha
jga
wkwk
yak
sara
seh
doank
wih
gapapa
beliau
sep
beuh
dud
indud
pejia
kos
cep
wkwkw
huhu
heheheh
niy
tok
dibakin
puol
galadaid
bks
yuk
bet
timu
uwuh
fik
yach
ashar
konds
maksih
kaka
rec
terimakasih
biki
sia
nguh
emak
aza
plg
ruar



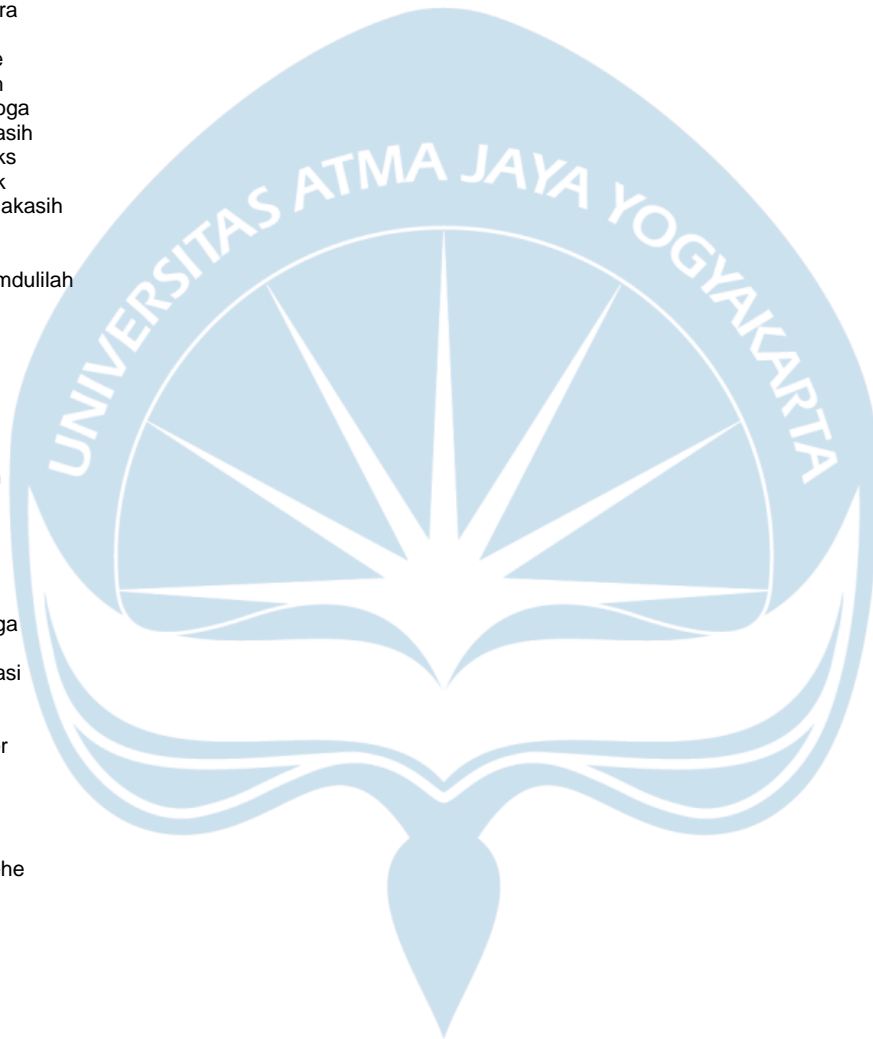
siy
bumbum
kempat
ayo
malen
meong
nyos
bdg
gua
vega
gais
bro
sori
cocola
bun
pauk
salero
jiba
khairan
who
usa
thnks
kai
pesa
dip
thanku
tmp
mamah
truz
terimakasih
mikan
sista
hehe
gandos
trim
inih
eak
yha
txs
akuh
mengka
hehehehehe
ino
tastes
bigul
lha
cuy
yey
rek
hai
adik
anyway
thanx
lemonilo
mengengkan
lien
trimakasi
gag
pkl
olshop
asoka
nian
bcp
beaucoup
ctv
nch
sreng
fiki
pokoe
jazakumulahu
khoyron
jazakumulah
katsiera



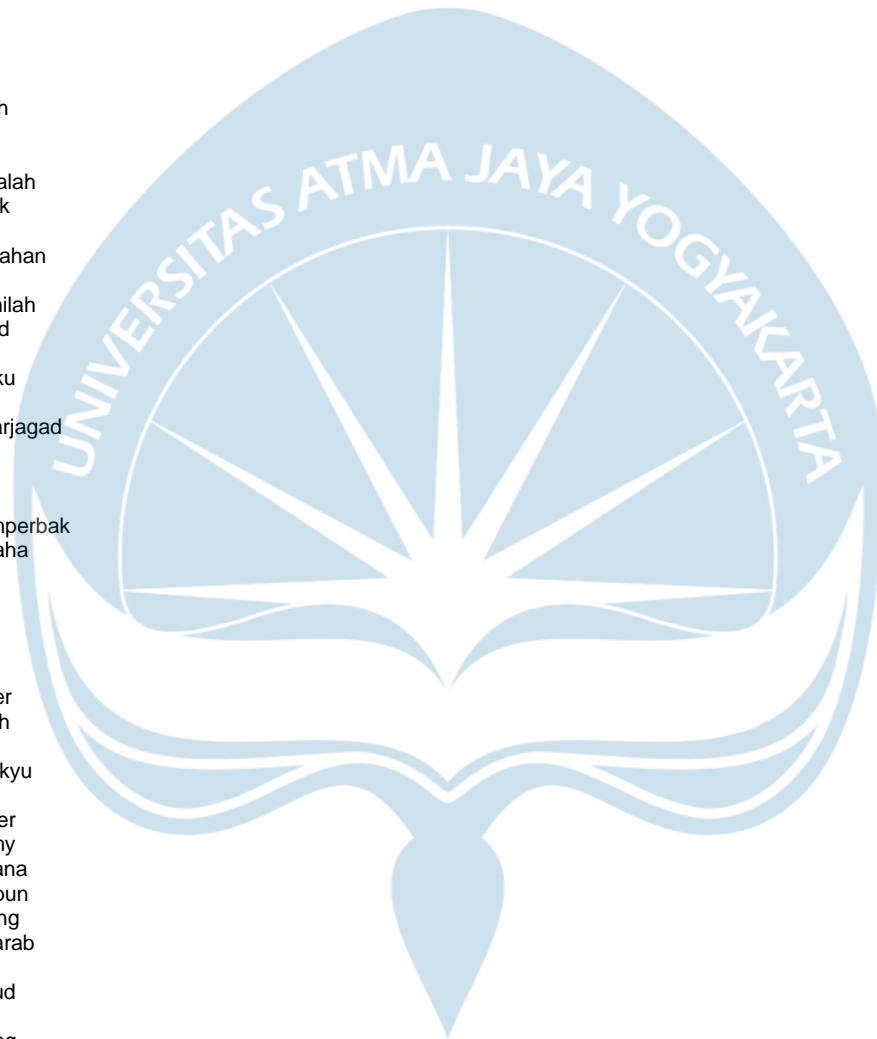
pies
cmx
jahitan
ras
nie
don
penge
suer
pan
yaps
sel
eui
oia
noegroho
wahyu
sdr
bidh
yaumil
diperbak
sar
dam
siplah
woi
ambo
wagelaseh
kya
masin
meci
kendul
surendul
totaly
kah
thxu
lage
dau
gratias
kien
sih
trimaksh
are
inshalah
san
siyh
ciamik
hikshiiks
lokio
lawa
mang
puluh
skr
pnh
pdj
ipar
hap
huhuhu
trimksh
kalio
ush
aloh
sanjay
nih
barokalah
jazakilah
ditko
dibln
toyibah
afwan
keta
mbsay
nyo
uny
awak
makasiy



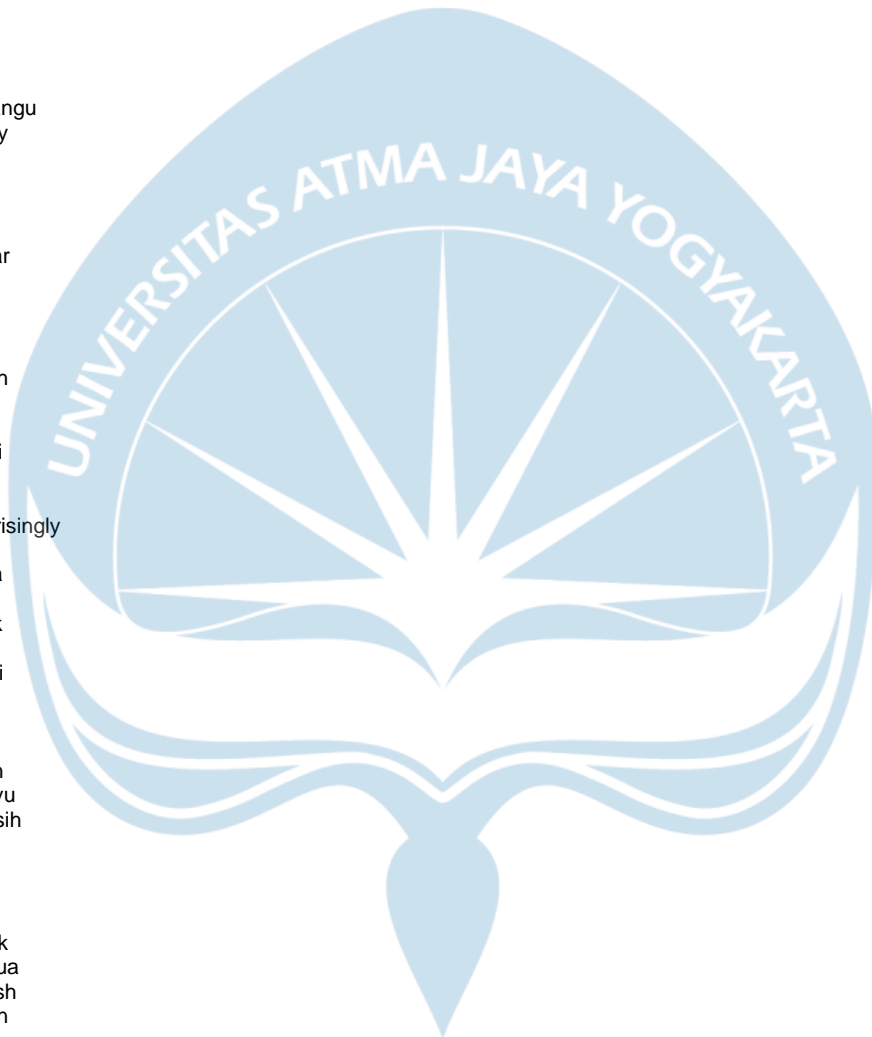
perjalan
jos
trm
alot
pokoke
buak
sebener
yeay
second
memberkati
tuhan
recsel
son
sekera
pie
wake
kasih
semoga
makasih
thanks
thank
terimakasih
you
gak
alhamdulillah
dgn
utk
thx
sih
krn
aja
sis
mom
lina
istri
nih
gan
biar
smoga
kalo
makasi
lemo
blm
bener
mba
amin
dah
tks
hehehe
and
tdk
yah
tau
sat
trims
klo
kayak
busui
kaya
sip
menyusui
asiku
lbh
nga
gitu
emang
kak
trus
smg
trimakasih
sapujagad
thankyou
moga



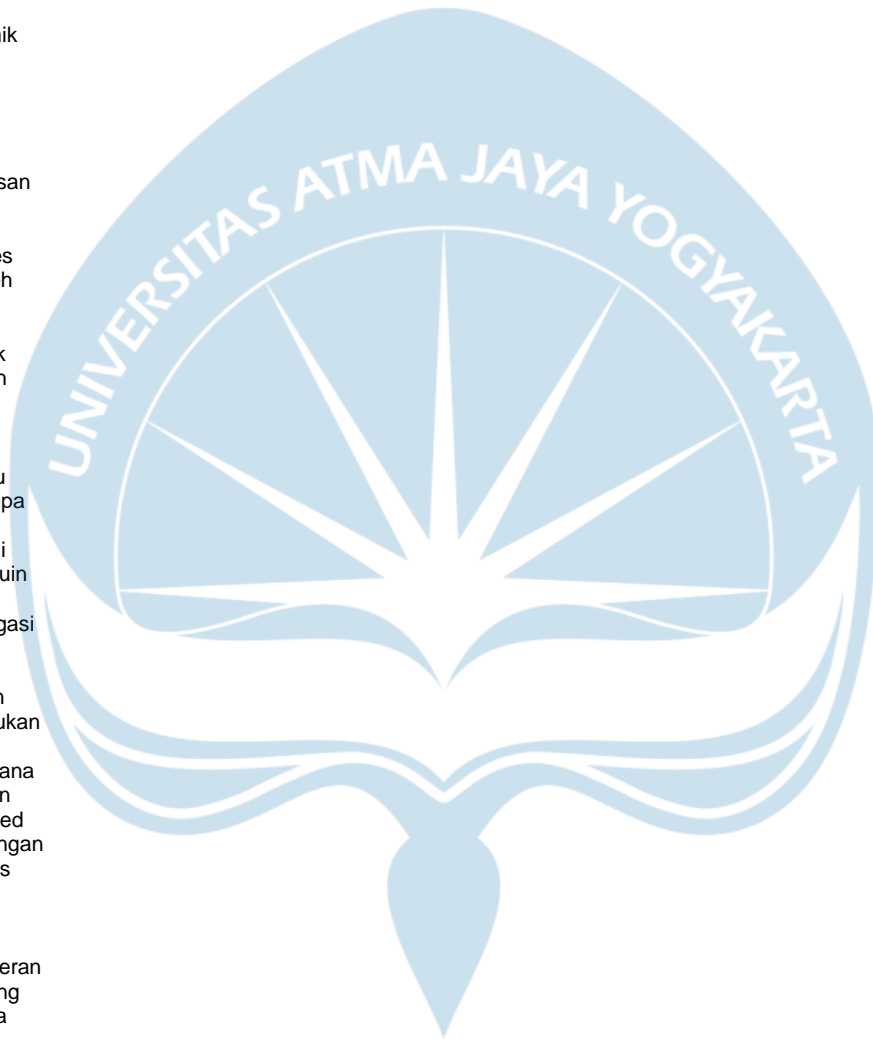
pumping
brp
karna
skrg
ngak
beneran
har
cici
keberapa
wakewake
for
kirain
jos
wil
spt
sist
stok
mksh
far
trm
insyallah
mbak
mik
mudahah
btw
bismillah
jagad
ama
anaku
gini
sekarjagad
dau
this
alah
memperbak
hahaha
shot
mah
lies
bun
loh
duper
much
asip
tengkyu
bnr
tokcer
momy
gimana
apapun
saking
mujarab
wow
yahud
say
doang
jar
thanx
btl
insya
gatau
gtu
masi
drpd
poko
abang
tqu
smga
dwi
volume
winky
bost
mkasih



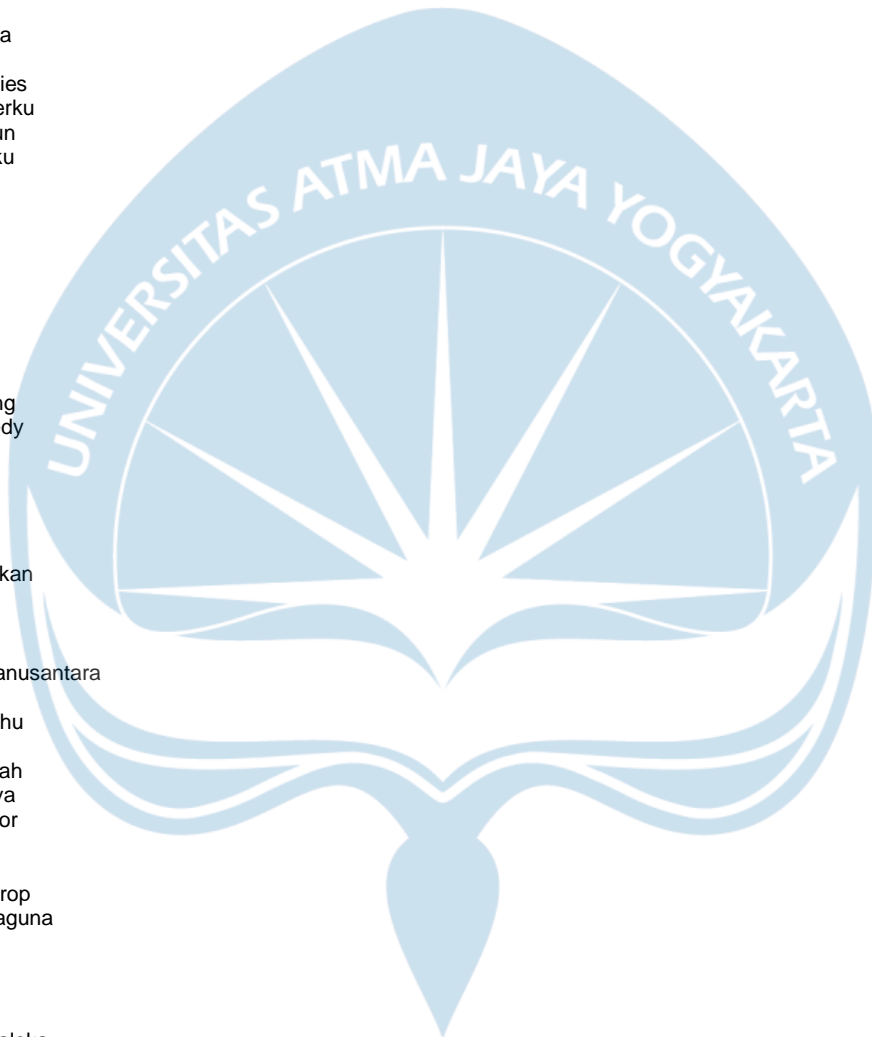
yeay
kek
plg
bon
pke
hehehehe
pokoke
aga
sperti
ngka
tuhan
kyk
emg
krna
tpi
pcs
dech
torbangu
highly
segi
man
haha
iya
ikhtiar
nti
koq
its
agan
mksih
bwt
pese
hihihi
ldr
enga
surprisingly
son
juska
gmn
layak
sya
mesti
sdm
hrs
cus
pisan
tenkyu
trmksh
with
lho
baha
blum
kagak
mertua
trmksh
naikin
adik
tmn
here
spy
syg
hiks
engak
ntar
inih
slu
hinga
maulidia
novrita
yach
moms
resna
yunita
bkn



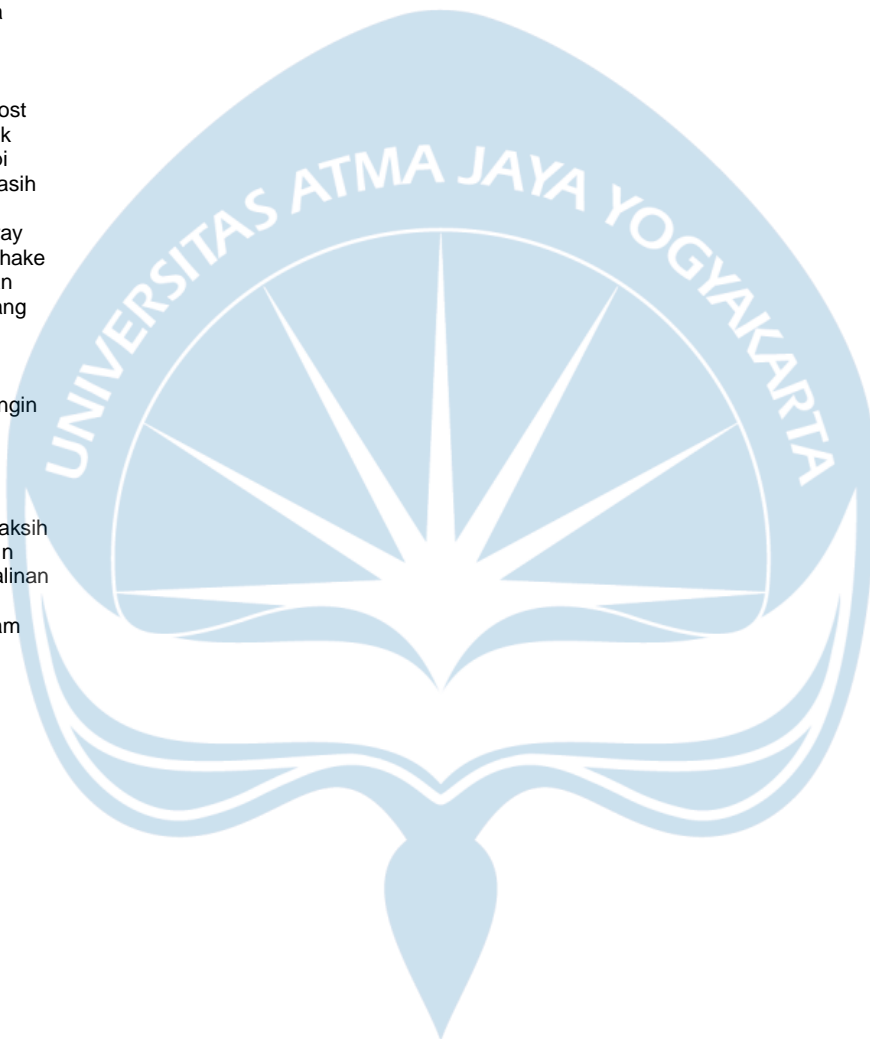
not
dede
skr
asiboster
ter
yes
djiwa
was
keng
never
jga
euy
masukin
are
bermik
dng
ntah
tuh
donk
deh
barusan
tuk
knp
meres
heheh
ayo
cin
wkwk
tenan
tksh
cur
yak
buiibu
momp
reh
utami
nyusuin
hihi
mengasi
lin
bner
bakin
masukan
femi
resiyana
ginian
bloated
barengan
tastes
uno
tsb
trksh
kenceran
bareng
korba
coco
gemeli
sista
masalah
kel
nuhun
mama
mak
bpk
niy
pertan
bund
haid
depa
gada
sara
rec
samsek



kli
yuhu
subhanalah
klik
ber
thankyu
thk
breastmilk
meng
perbak
debay
maria
maksih
irma
bunda
trta
momies
bosterku
asipun
bayiku
ato
yey
yum
bak
glek
trio
otw
bet
non
having
remedy
cant
jane
nguh
bab
kale
kebakan
pol
lagi
nie
rahsanusantara
wat
huhuhu
ajah
yaudah
masya
nasgor
khu
yay
ngedrop
prayaguna
mas
duh
trl
pekit
sukhaloka
cairan
tengkiu
surely
nge
sesai
adu
cihuy
olshop
yra
skinker
kmi
haturnuhun
semu
bayik
insha
hahahaha
rebeca



selebih
dewi
fitri
sintawati
riska
angraeni
heny
teste
retno
gona
meriah
rini
makash
septa
oya
car
thnk
ngebost
ciamik
sampi
trimkasih
dach
anyway
milkshake
kesian
skarang
pst
cik
xixixi
bayangin
kaka
tep
pesa
gbu
terimakasih
dicarin
persalinan
nom
bohlam
nsif



Lampiran 7
Hasil Ekstraksi Frekuensi Kata Bermakna Gerai Makanan

word	freq	category
enak	12525	Produk
cepat	5513	Proses
kirim	3649	Proses
penjual	2897	People
pesanan	2548	Proses
ayam	2088	Produk
beli	1936	Proses
respon	1886	People
pedas	1647	Produk
bumbu	1608	Produk
sesuai	1596	Produk
packing	1520	Produk
produk	1379	Produk
sambal	1075	Produk
daging	1057	Produk
kemasan	1041	Produk
makan	1013	Proses
pesan	936	Proses
ramah	818	People
makanan	800	Produk
diterima	737	Proses
dendeng	713	Produk
lumpia	628	Produk
pelayanan	597	People
barang	590	Produk
langganan	540	People
rendang	527	Produk
goreng	518	Produk
harga	464	Price
gurih	435	Produk
responsif	425	People
paket	417	Produk
cabai	410	Produk
cumi	409	Produk
deskripsi	406	Promotion
nasi	391	Produk
proses	375	Proses
asin	368	Produk
isi	366	Produk
sembarang	320	Place
foto	299	Promotion
order	277	Proses
saos	275	Produk
balado	266	Produk
paru	257	Produk
lidah	254	Produk
hijau	253	Produk
toko	230	Place
masak	216	Proses
ukuran	204	Produk
teri	202	Produk
langganan	201	People
porci	196	Produk
panas	193	Proses
level	192	Produk
bawang	187	Produk
hangat	186	Proses
bonus	184	Promotion
rumah	173	Place
kremer	167	Produk
orang	166	People
puasa	162	Promotion
murah	158	Price
bersih	156	Produk
stok	156	Produk
menu	154	Physical Evidence
admin	153	People
ulasan	151	Physical Evidence
kurir	149	People
jual	144	Proses
keras	136	Produk
kotak	135	Packaging
plastik	134	Packaging
kacang	132	Produk
hati	131	Produk
reorder	129	Proses
frozen	124	Produk
tempe	124	Produk
lauk	119	Produk
lengkap	117	Produk
rapit	116	Proses
komunikatif	116	People

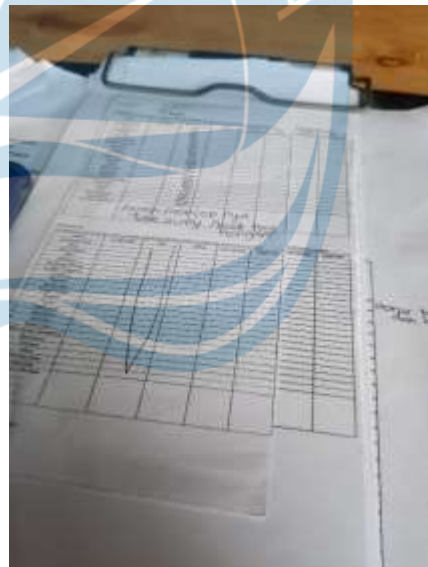
Lampiran 8

Hasil Ekstraksi Frekuensi Kata Bermakna Gerai Minuman

word	freq	category
cepat	3452	Proses
enak	3134	Produk
produk	2214	Produk
pesan	1868	Proses
kirim	1845	Proses
respon	1484	Proses
penjual	1248	People
segar	1089	Produk
jus	1047	Produk
beli	808	Proses
packing	640	Produk
rapih	571	Produk
pesanan	556	Produk
ulang	549	Proses
diterima	462	Proses
jamu	444	Produk
aman	431	Proses
pelayanan	409	People
kemasan	306	Produk
bonus	263	Promosi
ramah	249	People
lemon	239	Produk
lancar	239	Proses
packaging	233	Produk
deskripsi	209	Promosi
proses	164	Proses
harga	158	Harga
gratis	157	Promosi
kunyit	111	Produk
pelanggan	110	People
daun	108	Produk
belanja	107	Proses
bubble	100	Produk
pemilik	93	People
jahe	92	Produk
gula	88	Produk

Lampiran 9

Dokumentasi Penelitian di UMK Gerai Makanan dan Minuman



Lampiran 10

Rekapitulasi Hasil Penyebaran Kuesioner 1 pada UMK Gerai Makanan

Responden	PRODUK	PRODUK	PRODUK	PRODUK	PACKAGING	PRODUK	PRODUK	PRODUK	PROSES	PRODUK
	Kualitas Produk	Rasa	Varian Menu	Porsi	Kemasan	Bumbu	Tekstur	Kualitas Nasi	Proses Masak	Kesegaran Produk
	X1.1	X1.2	X1.3	X1.4	X1.5	X1.6	X1.7	X1.8	X1.9	X1.10
1	4	4	4	1	1	4	3	3	1	4
2	4	3	4	3	1	4	4	1	1	4
3	4	4	4	3	4	4	4	4	4	4
4	4	5	4	4	1	4	1	3	3	4
5	4	4	1	5	4	4	4	4	1	4
6	4	3	4	3	4	4	3	3	1	3
7	1	5	3	1	1	4	4	4	1	4
8	4	4	4	2	1	4	4	4	4	4
9	4	4	4	3	4	4	4	4	4	4
10	5	5	3	2	1	5	4	4	4	4
11	5	5	4	3	4	5	2	2	1	4
12	4	4	4	3	3	4	3	4	1	4
13	3	3	3	4	1	1	1	1	1	1
14	4	4	4	2	4	4	2	4	3	4
15	4	4	4	3	1	4	4	4	1	4
16	4	4	4	4	4	5	4	4	4	4
17	4	4	4	4	4	4	4	4	1	4
18	1	4	4	4	4	4	4	4	1	4
19	4	4	4	4	4	4	1	4	4	4
20	2	4	3	3	3	4	4	4	4	4
21	4	5	4	4	4	1	3	4	1	4
22	4	4	4	2	4	4	1	1	4	4
23	4	5	4	4	4	4	4	4	4	4
24	4	5	4	4	2	4	4	3	1	4
25	4	5	5	4	4	4	3	4	3	4
26	4	4	4	4	4	4	4	4	4	4
27	4	5	4	3	1	4	3	4	4	4
28	5	5	5	4	4	5	4	4	4	4
29	4	4	3	4	2	4	3	1	1	4
30	4	4	4	4	1	4	4	3	1	1

Responden	PRODUK	PEOPLE	PEOPLE	PEOPLE	PEOPLE	PEOPLE	PRICE	PLACE	PLACE	PLACE
	Kehangatan Makanan	Kualitas Pelayanan	Komunikatif	Kecepatan	Respon	Keramahan	Harga Produk	Tempat	Lokasi	Parkir
	X1.11	X1.12	X1.13	X1.14	X1.15	X1.16	X1.17	X1.18	X1.19	X1.20
1	2	5	5	4	5	5	3	4	4	4
2	4	4	4	4	4	4	3	4	4	4
3	4	4	4	4	4	4	4	4	1	4
4	4	4	4	4	4	5	5	4	5	4
5	4	4	4	4	4	5	5	5	4	4
6	4	1	4	1	1	4	3	1	4	1
7	4	4	4	4	4	4	4	4	4	4
8	1	4	4	4	4	4	4	4	4	1
9	2	4	4	4	4	4	4	4	4	4
10	4	5	5	5	5	5	5	4	4	4
11	4	4	4	4	4	4	3	4	4	4
12	4	4	1	4	4	4	5	4	1	1
13	1	1	1	4	4	4	1	1	1	1
14	4	5	5	4	4	5	4	4	4	4
15	4	4	4	4	4	4	4	4	1	1
16	2	5	5	2	4	5	4	5	1	1
17	4	5	5	5	5	5	5	4	4	4
18	4	4	4	4	4	4	5	5	4	4
19	4	4	4	4	4	4	4	4	4	4
20	4	4	4	4	4	4	4	4	4	4
21	4	4	1	4	4	5	3	5	4	4
22	4	4	4	4	4	4	4	4	4	4
23	4	4	4	4	4	4	4	4	4	4
24	4	4	4	2	4	4	2	4	2	2
25	4	4	4	4	4	4	4	4	4	4
26	4	4	4	4	4	4	4	4	4	4
27	4	5	5	3	5	5	3	4	4	4
28	4	5	5	5	5	5	4	4	4	4
29	4	4	3	3	3	3	2	3	4	4
30	4	4	1	2	1	1	4	3	4	4

Lampiran 10
Lanjutan - Rekapitulasi Hasil Penyebaran Kuesioner 1 pada UMK Gerai
Makanan

Responden	PLACE	PLACE	PHYSICAL EVIDENCE	PHYSICAL EVIDENCE	PROSES	PROMOSI	PLACE	PLACE	PEOPLE
	Kebersihan	Kerapihan	Foto Produk	Deskripsi	Kemudahan Berbelanja	Promosi	Toilet	Smoking Area	Konsistensi
	X1.21	X1.22	X1.23	X1.24	X1.25	X1.26	X1.27	X1.28	X1.29
1	4	1	1	1	4	1	1	1	4
2	4	4	1	1	1	1	3	1	4
3	4	4	1	1	4	4	4	4	4
4	3	3	1	3	4	4	4	4	5
5	4	4	1	1	4	1	1	4	4
6	4	4	1	4	4	4	4	4	4
7	4	4	4	4	3	1	1	3	1
8	5	4	1	1	4	4	1	4	4
9	4	4	4	4	4	4	4	4	4
10	4	4	4	4	4	4	4	4	4
11	5	3	1	1	4	1	1	1	4
12	4	4	3	3	4	4	4	5	4
13	1	1	1	1	4	1	4	1	1
14	4	4	1	4	4	4	3	2	4
15	4	4	4	4	4	4	4	4	4
16	5	4	4	4	4	4	4	5	4
17	4	4	4	4	4	5	4	4	5
18	4	4	1	1	1	4	2	3	4
19	4	4	1	1	4	1	4	4	4
20	4	4	4	4	4	4	1	4	4
21	4	4	4	4	1	4	4	2	4
22	4	4	4	4	4	4	4	4	4
23	4	4	4	4	4	4	4	4	4
24	4	4	1	1	2	2	4	4	2
25	4	4	4	4	4	4	4	4	4
26	5	4	4	4	4	4	4	4	4
27	4	4	4	4	4	4	2	2	4
28	4	4	4	4	5	4	4	4	4
29	4	4	4	4	4	4	4	4	3
30	4	4	4	4	4	4	4	4	4

Lampiran 11
Rekapitulasi Hasil Penyebaran Kuesioner 1 pada UMK Gerai Minuman

RESPONDEN	PRODUK	PRODUK	PRODUK	PRODUK	PACKAGING	PRODUK	PEOPLE	PEOPLE	PEOPLE	PEOPLE	PRICE
	Kualitas Produk	Rasa	Varian Menu	Porsi	Kemasan	Kesegaran Produk	Kualitas Pelayanan	Kecepatan	Respon	Keramahan	Harga Produk
	X1.1	X1.2	X1.3	X1.4	X1.5	X1.6	X1.7	X1.8	X1.9	X1.10	X1.11
1	4	4	4	4	2	4	4	4	4	4	4
2	4	4	4	4	4	4	4	4	4	4	4
3	4	4	4	4	4	4	4	4	4	4	4
4	4	4	4	4	4	4	4	4	4	4	4
5	4	4	4	4	4	2	4	2	4	4	2
6	4	5	4	4	2	4	4	2	4	4	4
7	4	4	4	4	4	4	2	4	4	2	4
8	4	4	4	4	4	3	4	3	4	2	5
9	5	5	4	4	4	5	5	5	5	5	5
10	5	5	5	3	3	5	5	4	4	5	5
11	5	5	4	5	5	5	5	5	3	5	3
12	4	4	4	4	4	4	4	4	4	4	4
13	4	4	4	4	2	4	4	2	4	4	4
14	4	4	4	4	4	4	4	4	4	4	2
15	4	4	4	4	1	4	4	4	4	4	4
16	4	4	4	4	4	4	4	4	4	4	1
17	4	4	4	4	4	4	4	4	4	4	4
18	4	4	4	4	4	4	4	3	4	4	3
19	5	5	2	4	3	4	4	3	4	2	5
20	4	4	4	4	4	4	4	4	4	4	4
21	4	4	4	4	4	4	4	4	4	4	4
22	4	4	4	4	4	4	4	4	4	4	4
23	4	4	4	4	1	4	4	1	4	4	4
24	4	4	4	4	4	4	4	4	4	4	4
25	4	4	4	4	4	4	4	4	4	4	4
26	5	5	4	4	4	5	5	5	5	5	5
27	5	5	4	4	5	5	5	5	5	5	5
28	4	4	4	4	5	5	3	3	3	3	5
29	5	5	3	3	4	5	5	5	5	5	3
30	5	5	5	5	5	5	5	5	5	5	5
31	5	5	5	4	5	4	4	4	4	4	4
32	4	5	5	4	5	5	5	4	4	4	4
33	5	5	4	3	4	5	5	5	4	5	5
34	5	5	4	4	4	5	4	4	5	5	5

RESPONDEN	PLACE	PLACE	PLACE	PLACE	PHYSICAL EVIDENCE	PROSES	PLACE	PROMOTION	PLACE	PLACE	PEOPLE
	Tempat	Parkir	Kebersihan	Kerapihan	Deskripsi	Kemudahan Berbelanja	Keamanan	Promosi	Toilet	Smoking Area	Konsistensi
	X1.12	X1.13	X1.14	X1.15	X1.16	X1.17	X1.18	X1.19	X1.20	X1.21	X1.22
1	4	2	4	4	4	4	4	4	1	1	4
2	4	4	4	4	4	4	4	4	1	1	4
3	4	3	4	4	4	3	3	1	1	1	4
4	4	4	4	4	4	4	4	4	1	4	3
5	4	2	4	4	2	4	2	2	2	2	5
6	2	4	4	4	4	4	4	3	1	4	4
7	4	2	4	4	4	4	2	2	1	1	4
8	4	2	4	4	2	2	2	2	1	1	5
9	5	5	5	5	5	5	5	5	1	5	5
10	5	5	5	5	4	5	4	5	1	4	5
11	5	1	5	5	5	3	1	5	1	1	5
12	4	2	4	4	4	4	4	4	2	2	4
13	4	2	4	4	4	4	2	2	1	1	4
14	2	2	4	4	4	4	4	4	4	4	4
15	4	4	4	4	4	4	4	4	1	1	4
16	1	1	4	4	5	4	4	4	1	1	4
17	4	4	4	4	4	4	4	4	4	1	4
18	3	3	3	3	4	4	4	4	1	1	4
19	2	1	5	3	5	5	2	4	1	1	5
20	4	4	4	4	4	4	4	4	4	4	4
21	4	1	4	4	4	4	4	4	1	4	4
22	2	2	4	4	4	4	4	2	1	4	4
23	1	1	4	4	1	1	4	1	1	1	4
24	4	4	4	4	4	4	4	2	1	4	4
25	4	4	4	4	4	4	4	4	4	4	4
26	5	3	5	5	4	4	4	5	3	2	4
27	4	4	5	5	5	5	5	4	5	4	4
28	3	3	5	5	5	5	3	4	3	1	5
29	4	4	4	4	4	4	4	4	4	4	5
30	5	4	5	5	5	5	5	5	4	5	5
31	4	4	5	5	5	4	4	5	4	4	4
32	4	4	5	5	4	5	5	5	4	4	4
33	5	3	5	4	4	4	4	5	3	4	5
34	5	3	5	4	4	4	4	5	3	4	5

Lampiran 12
Rancangan Buku Pedoman Model Bisnis Analitik Sederhana untuk
Pengelola UMK Gerai Makanan dan Minuman

SEBUAH DASAR DALAM MEMBUAT STRATEGI

MODEL BISNIS ANALITIK SEDERHANA UNTUK PENGELOLA UMK GERAI MAKANAN DAN MINUMAN

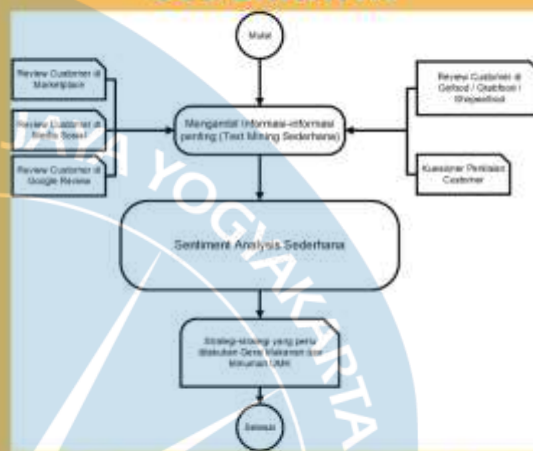
RESEP AGAR USAHA ANDA BISA TETAP
BERTAHAN DAN BERKEMBANG



OLEH :
IMMACULATA DIANA SARASWATI, S.T.
DR. IR. YOSEPHINE SUHARYANTI, S.T., M.T.
IR. YOSEF DARYANTO, S.T., M.SC., PH.D.
MAGISTER TEKNIK INDUSTRI
UNIVERSITAS ATMA JAYA YOGYAKARTA
2023

RESEP 1

BISNIS ANALITIK SEDERHANA



Langkah-langkah mudah dalam melakukan Bisnis Analitik Sederhana :

1. Lakukan *Text Mining* sederhana (akan dijelaskan di Resep 2)
2. Lakukan *Sentiment Analysis* sederhana (akan dijelaskan di Resep 3)
3. Penentuan Strategi sederhana yang bisa Anda terapkan di Usaha Mikro Kecil (UMK) Anda

RESEP 2

TEXT MINING SEDERHANA

Text Mining itu sederhananya kita mengambil kata-kata yang dapat membantu kita mendapat inti dari pendapat konsumen

Pendapat Konsumen dapat kita ambil dari google review (jika sudah ada), pendapat konsumen kita di gerai kita jika sudah terdaftar di marketplace, dan kuesioner manual.

Text Mining sederhana tidak perlu menggunakan alat yang rumit. Cukup membaca sedikit setiap pendapat yang ada di setiap instrumen dan menuliskannya secara manual berdasarkan faktor yang didapatkan (kuesioner bisa digunakan sebagai acuan).

Text Mining sebaiknya dilakukan berkala maksimal sebulan sekali (tergantung ketersediaan waktu pengelola UMK)

SUPAYA ADA BAYANGAN, YUK... KITA LIHAT CONTOHNYA...

KUESIONER MANUAL
Misalkan kita punya 3 (tiga) instrumen dalam mengumpulkan pendapat konsumen, yaitu Kuesioner Manual, Google Review, dan Ulasan di Marketplace (seperti gambar di samping). Maka, kita dapat melakukan text mining sebagai berikut. Kata-kata yang bernilai:

- Respon (pada kuesioner manual)

GOOGLE REVIEW

ULASAN DI MARKETPLACE

- Esas - Rasa, Seger - Kesegaran, Perak - Keras, Lemak, Tidak beresah-Rusutahsil (pada Google Review)
- Kuwng Fresh-Kesegaran, Bak Langsung Diproses-Resepsian (pada ulasan di marketplace)

RESEP 3

SENTIMENT ANALYSIS SEDERHANA

Sentiment Analysis dapat dilakukan dengan perhitungan sederhana setiap faktor berdasarkan sifatnya dan jumlah pendapat yang terdapat pada setiap instrumen

Jika pendapat negatif yang kita dapatkan lebih banyak daripada pendapat positif, berarti faktor tersebut perlu mendapat perhatian lebih

Sentiment Analysis sederhana adalah kita menisbahkan kata-kata yang kita dapatkan tadi berdasarkan sifatnya (positif dan negatif). Positif itu yang baik dan negatif itu yang kurang baik untuk usaha mikro kecil (UMK) kita.

Sentiment Analysis sederhana sebaiknya dilakukan langsung saat melakukan text mining sederhana

SUPAYA ADA BAYANGAN, YUK... KITA LIHAT CONTOHNYA...

KUESIONER MANUAL
Misalkan kita punya 3 (tiga) instrumen dalam mengumpulkan pendapat konsumen, yaitu Kuesioner Manual, Google Review, dan Ulasan di Marketplace (seperti gambar di samping). Maka, kita dapat melakukan sentiment analysis berdasarkan dari kata-kata bernilai yang menjadi faktor untuk dilakukan sentiment analysis sebagai berikut :

- Negatif : Respon (1), Kesegaran (1)
- Positif : Rasa (1), Kesegaran (1), Harga (1), Kebersihan (1)

Contoh cara membaca : terdapat 1 respon negatif pada faktor Respon dan Kesegaran

LANGKAH MEMBUAT AKUN BISNIS GOOGLE AGAR DAPAT MEMANFAATKAN FITUR GOOGLE REVIEW



Anda sebagai pengusaha atau pemilik usaha agar dapat mendaftar di Akun Bisnis Google

Buka Situs Google Bisnis melalui Google Chrome yang telah terinstall dengan akun email Anda. Kemudian klik "Ketersediaan"

Anda akan melihat tampilan seperti di bawah. Silahkan masukkan Nama Bisnis Anda (Nama Bisnis tidak sama sama dengan Bisnis lain), kemudian klik "Lanjutkan"


Pastikan akun email tampilan seperti di bawah. Silahkan pilih link di bagian di samping kanan, sesuai dengan lokasi Anda, dan pilih "Lokasi" yang paling tepat yang tertera di bagian "Lokasi" kemudian klik "Berikutnya" dan pilih "Pilih Lokasi" kemudian klik "Berikutnya" dan pilih "Pilih Kategori Bisnis Anda" kemudian klik "Berikutnya"

Pastikan memilih alamat tempat usaha yang benar, dan "Berikutnya" kemudian masukkan alamat di bagian "Alamat" dan "Berikutnya" kemudian masukkan nomor telepon bisnis yang tertera di bagian "Nomor Telepon" kemudian klik "Berikutnya" kemudian pilih tampilan standar klik "Lanjutkan"

Pastikan Google akan meminta Anda melakukan verifikasi Akun Google Bisnis Anda dengan cara yang disarankan dengan yang Anda miliki.

LANJUT KE LANGKAH UNTUK MENGELOLA TAMPILAN INFORMASI DI AKUN BISNIS GOOGLE

LANGKAH UNTUK MENGELOLA TAMPILAN INFORMASI DI AKUN BISNIS GOOGLE



Setelah Akun Anda terverifikasi, maka akan dapat melihat tampilan informasi yang ingin Anda lihat pada akun Bisnis Google Anda

Klik "Next" atau "Lanjutkan" untuk melakukan langkah selanjutnya, yaitu pengisian informasi mengenai aktivitas Bisnis Anda

Sebelum waktu Bisnis Anda di Akun Bisnis Google kemudian klik "Next" atau "Berikutnya". Setelah itu, jika Anda ingin Cetak Kupon akan dapat langsung mengahutnya. Anda, Anda dapat memilih "Accept Message" atau "Terima Pesan", kemudian klik "Next" atau "Berikutnya"

Anda akan melihat tampilan Bisnis Anda yang ingin Anda tampilan di Akun Bisnis Google Anda. Kemudian klik "Next" atau "Berikutnya". Setelah itu, Anda dapat menambahkan informasi foto yang akan muncul pada Akun di Akun Bisnis Google Anda, kemudian klik "Next" atau "Berikutnya"

Kemudian akan tampil tampilan terakhir berikut dan klik "Continue" atau "Lanjutkan"

SPEKTRAL
Maka tampilan Akun Bisnis Google Anda akan muncul seperti di gambar samping

CONTOH KASUS

STRATEGI BISNIS YANG DAPAT DISARANKAN DENGAN MELAKUKAN TEKNIK BISNIS ANALITIK SEDERHANA UNTUK USAHA MIKRO KECIL (UMK)



Sebuah usaha mikro kecil (UMK) gerai minuman X melakukan bisnis analitik sederhana pada gerainya pada minggu ke-x dengan hasil sebagai berikut:

FAKTOR	POINTE	INFLUENSI
RASA	22	1
RESPON	7	11
PORSI	35	0
KONSISTENSI	8	18
HARGA	8	11
KERAMAHAN	8	1
VARIAN MENU	2	12
KEMUDAHAN	3	17

Berdasarkan dari hasil di atas, berikut beberapa Strategi yang dapat dilakukan untuk meningkatkan kualitas usaha mikro kecil (UMK) gerai minuman X:

1. Peningkatan kualitas pelayanan terutama pada Respon dan Keramahan Penjual terhadap pembeli.
2. Apakah mungkin melakukan penambahan variasi menu? Jika mungkin, bisa dilakukan percobaan dulu menu baru yang ingin dicoba untuk dijual.
3. Konsistensi dari segi apa yang perlu ditingkatkan? Setelah dicek di pendapat konsumen secara seksama ternyata konsistensi terhadap pelayanan, berarti masih kembali pada strategi pertama.
4. Bandingkan dengan hasil bisnis analitik sederhana periode sebelumnya (apabila sudah melakukan). Perhatikan apakah ada perubahan? Apakah membaik atau malah memburuk atau tetap? Jika membaik, berarti apa yang sudah dilakukan dapat ditingkatkan. Apabila malah memburuk, berarti dapat dievaluasi apa yang terjadi seminggu belakangan ini.

BONUS

KUESIONER UNTUK GERAI MAKANAN UMK



LINGKARI YANG KURANG MEMUASKAN	
RASA	VARIAN MENU
KOMUNIKATIF	KECEPATAN
KEBERSIHAN	KERAPAHAN
BUMBU	KESEKARAN PRODUK
RESPON	KERAMAHAN
HARGA PRODUK	KEMUDAHAN BERBELANJA
KEMANGSAAN MAKANAN	KONSISTENSI



GERAI MAKANAN

KUESIONER UNTUK GERAI MINUMAN UMK

LINGKARI YANG KURANG MEMUASKAN	
RASA	VARIAN MENU
RESPON	KESEKARAN PRODUK
KEBERSIHAN	KONSISTENSI
KEMUDAHAN BERBELANJA	KERAPAHAN
PORSI	DESKRIPSI PRODUK
KERAMAHAN	HARGA



GERAI MINUMAN

THANK YOU!

JIKA MASIH ADA PERTANYAAN,
DAPAT MENGHUBUNGI :
WA SARAS (087715140328)
ATAU EMAIL KE :
IMMACULATADIANASARASWATI
@GMAIL.COM



UNIVERSITAS ANTA YOGYAKARTA