

## BAB 6 KESIMPULAN DAN SARAN

### 6.1. Kesimpulan

1. Berdasarkan pengolahan data dengan *association rules* menggunakan *Rapid Miner* dengan nilai minimum *support* sebesar 0,5% dan nilai minimum *confidence* sebesar 10% didapatkan hasil berupa obat yang memiliki frekuensi tinggi dibeli secara bersamaan adalah sebagai berikut.
  - a. Methylprednisolon 4 dan Renadinac 50
  - b. Dexamethasone 0,5 dan Asam Mefenamat
  - c. Renadinac 50 dan Dexamethasone 0,5
2. Berdasarkan intepretasi data, didapatkan kesimpulan sebagai berikut.
  - a. Obat yang memiliki frekuensi tinggi dibeli secara bersamaan oleh konsumen merupakan obat-obat anti inflamasi dan peradangan.
  - b. Informasi keterkaitan obat yang didapatkan dari *data mining* menggunakan *market basket analysis* dan *association rules* dapat dijadikan sebagai bahan pertimbangan bagi Apotek X dalam pengambilan kebijakan.

### 6.2. Saran

Apotek X sekiranya dapat mempertimbangkan hasil dari penelitian yang berupa aturan keterkaitan antar obat yang dibeli oleh konsumen dan usulan kebijakan sebagai upaya peningkatan pelayanan kesehatan terhadap masyarakat dan dalam peran Apotek X sebagai pelaku usaha di sektor industri farmasi.

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## LAMPIRAN

Lampiran 1: Hasil *Association Rules* dengan nilai minimum *support* 0,001 dan minimum *confidence* 0,2 Bulan Juli 2017

NO.	PREMIS	CONCLUSION	SUPPORT	CONFIDENCE
1	L0012	K0066	0,002	0,200
2	L0008	K0066	0,002	0,200
3	T0036	T0350	0,003	0,200
4	V0006	V0005	0,003	0,200
5	L0012	AL009911	0,002	0,200
6	OT0229	B0049	0,001	0,200
7	V0104	SL01500	0,001	0,200
8	T0252	T0271	0,009	0,202
9	T0082	T0035	0,008	0,204
10	T0351	T0036	0,002	0,207
11	T0029	T0333	0,003	0,209
12	T0181	T0057	0,002	0,211
13	T0106	OT0120	0,001	0,214
14	T0106	OT0054	0,001	0,214
15	T0253	T0333	0,001	0,214
16	A0030	T0082	0,001	0,214
17	T0253	T0072	0,001	0,214
18	AL009911	K0066	0,002	0,214
19	T0106	B0037	0,001	0,214
20	AL1006	AL0012	0,001	0,214
21	V0144	V0145	0,001	0,214
22	T0350	T0252, T0036	0,002	0,214
23	A000000069	TEC0001, C000000326	0,001	0,214
24	V0091	OT0054	0,002	0,222
25	T0304	T0252	0,002	0,222
26	T0293	T0252	0,002	0,222
27	T0333, T0082	T0373	0,002	0,222
28	T0393	T0082	0,006	0,227
29	AL0014	AL009911	0,002	0,227
30	AL0014	L0008	0,002	0,227
.....	.....	.....	.....	.....
.....	.....	.....	.....	.....
152	T0083, 41203	T0140	0,002	1
153	T0140, 41203	T0083	0,002	1
154	T0217, T0189	T0277	0,001	1

Lampiran 2: Hasil *Association Rules* dengan nilai minimum *support* 0,001 dan minimum *confidence* 0,2 Bulan Agustus 2017

NO.	PREMIS	CONCLUSION	SUPPORT	CONFIDENCE
1	SL0036	OT0120	0,002	0,200
2	V0147	AL0061	0,001	0,200
3	A0030	T0252	0,002	0,200
4	T0176	D76099	0,001	0,200
5	T0175	T0373	0,003	0,200
6	T0373	T0213	0,004	0,200
7	OT0094	T0333, T0252	0,002	0,200
8	T0252, T0036	T0373	0,001	0,200
9	T0252, T0036	S0205	0,001	0,200
10	T0252, T0271	T0334	0,002	0,200
11	T0252, T0036	T0373, S0205	0,001	0,200
12	T0333	T0082	0,009	0,202
13	T0251	T0160	0,003	0,206
14	T0241	OT0054	0,001	0,214
15	T0304	T0082	0,001	0,214
16	S0201	AL0061	0,001	0,214
17	AL0063	AL0061	0,001	0,214
18	T0241	T0064	0,001	0,214
19	V0108	OT0085	0,001	0,214
20	T0029	T0083	0,004	0,216
21	V0005	V0002	0,003	0,216
22	T0293	T0333	0,002	0,222
23	T0351	T0252	0,002	0,222
24	T0333, T0252	OT0094	0,002	0,222
25	T0350	T0252, T0036	0,002	0,222
26	V0001	V0006, V0002	0,002	0,222
27	V0006	V0002	0,004	0,225
28	L0012	AL0012	0,002	0,227
29	L0012	AL089775	0,002	0,227
30	AL089775	L0012	0,002	0,227
31	AL089775	L0008	0,002	0,227
....	....	....	....	....
....	....	....	....	....
204	T0036, S0205	T0252, T0373	0,001	1
205	T0252, T0036, S0205	T0373	0,001	1
206	T0373, T0036, S0205	T0252	0,001	1

Lampiran 3: Cuplikan Hasil *Association Rules* dengan nilai minimum *support* 0,001 dan minimum *confidence* 0,2 Bulan September 2017

NO.	PREMIS	CONCLUSION	SUPPORT	CONFIDENCE
1	L0007	OT0120	0,002	0,200
2	V0147	AL0061	0,001	0,200
3	A0030	T0083	0,001	0,200
4	L0007	L0012	0,002	0,200
5	V0147	V0149	0,001	0,200
6	A0030	T0175	0,001	0,200
7	AL0012	AL1006	0,002	0,200
8	T0333	T0252	0,010	0,203
9	T0035	T0082	0,011	0,205
10	T0057	T0333	0,002	0,207
11	T0029	T0083	0,005	0,210
12	T0293	T0333	0,002	0,211
13	T0267	OT0120	0,001	0,214
14	T0334	T0333	0,004	0,214
15	T0267	T0393	0,001	0,214
16	T0267	T0305	0,001	0,214
17	T0351	T0307	0,001	0,214
18	V0002, V0001	V0006	0,001	0,214
19	V0002, V0001	V0005, V0006	0,001	0,214
20	T0350	T0252	0,002	0,217
21	A0038	T0334	0,002	0,217
22	T0053	OT0120	0,002	0,227
23	A0019	OT0120	0,002	0,227
24	A000000069	TEC0001, C000000326	0,002	0,227
25	T0333	T0082	0,011	0,229
26	V0056	T0036	0,001	0,231
27	V0144	V0089	0,001	0,231
28	V0056	AC8974	0,001	0,231
29	T0083, T0029	T0393	0,001	0,231
.....	.....	.....	.....	.....
.....	.....	.....	.....	.....
192	V0006, V0001	V0005, V0002	0,001	1
193	V0005, V0006, V0001	V0002	0,001	1
194	V0002, V0006, V0001	V0005	0,001	1

Lampiran 4: Cuplikan Hasil *Association Rules* dengan nilai minimum *support* 0,001 dan minimum *confidence* 0,2 Bulan Oktober 2017

NO.	PREMIS	CONCLUSION	SUPPORT	CONFIDENCE
1	A0030	T0082	0,002	0,200
2	V0108	T0333	0,001	0,200
3	T0276	T0333	0,001	0,200
4	A0049	M00000369	0,001	0,200
5	T0181	T0393	0,001	0,200
6	V0108	T0305	0,001	0,200
7	L0012	L0008	0,002	0,200
8	L0012	AL009911	0,002	0,200
9	A0049	A0047	0,001	0,200
10	T0252, T0333	T0029	0,002	0,200
11	T0027	T0082	0,002	0,208
12	T0334	T0271	0,003	0,211
13	T0083	T0305	0,005	0,212
14	A0035	OT0093	0,001	0,214
15	T0333, T0029	C0036	0,001	0,214
16	T0333, T0029	T0252, C0036	0,001	0,214
17	T0293	T0107	0,002	0,217
18	AL0012	AL089775	0,002	0,217
19	AL0012	AL1005	0,002	0,217
20	T0082	T0333	0,013	0,223
21	V0006	V0002	0,003	0,226
22	V0002	V0006	0,003	0,226
23	V0005	V0002	0,002	0,227
24	T0350	T0252, T0036	0,002	0,227
25	S0202	OT0120	0,001	0,231
26	A0038	OT0120	0,001	0,231
27	T2086	T0393	0,001	0,231
28	J0989887	J0074	0,001	0,231
29	T0304	T0029	0,001	0,231
.....	.....	.....	.....	.....
.....	.....	.....	.....	.....
195	T0252, T0333, C0036	T0029	0,001273885	1
196	T0029, C0036	T0252, T0333	0,001273885	1
197	T0252, T0029, C0036	T0333	0,001273885	1



Lampiran 5: Cuplikan Hasil *Association Rules* dengan nilai minimum *support* 0,001 dan minimum *confidence* 0,2 Bulan November 2017

NO.	PREMIS	CONCLUSION	SUPPORT	CONFIDENCE
1	OT0094	T0252	0,001	0,200
2	T0147	T0072	0,001	0,200
3	OT0094	T0334	0,001	0,200
4	T0147	S00001	0,001	0,200
5	V0005	V0001	0,002	0,208
6	L0007	K0066	0,002	0,211
7	AL0014	AL009911	0,002	0,211
8	T0186	T0082	0,001	0,214
9	C000000326	T0082	0,001	0,214
10	OT0099	T0087	0,001	0,214
11	OT0099	S0146	0,001	0,214
12	OT0099	C0037	0,001	0,214
13	L0068	K0066, L0013	0,001	0,214
14	OT0099	T0087, S0146	0,001	0,214
15	OT0099	T0087, C0037	0,001	0,214
16	OT0099	S0146, C0037	0,001	0,214
17	OT0099	T0087, S0146, C0037	0,001	0,214
18	L0012	AL0012	0,002	0,217
19	L0012	L0007	0,002	0,217
20	T0373	T0082	0,006	0,220
21	T0305	T0082	0,003	0,222
22	M0001	A0026	0,002	0,222
23	T0029	T0333	0,006	0,224
24	K0066	L0012	0,003	0,226
25	A0030	T0173	0,002	0,227
26	A0030	T0081, T0173	0,002	0,227
27	T0213	T0333	0,003	0,231
28	T0277	T0333	0,001	0,231
29	T0267	T0333	0,001	0,231
.....	.....	.....	.....	.....
.....	.....	.....	.....	.....
253	S0146, C0037	T0087, OT0099	0,001	1
254	T0087, S0146, C0037	OT0099	0,001	1
255	OT0099, S0146, C0037	T0087	0,001	1

Lampiran 6: Cuplikan Hasil *Association Rules* dengan nilai minimum *support* 0,001 dan minimum *confidence* 0,2 Bulan Desember 2017

NO.	PREMIS	CONCLUSION	SUPPORT	CONFIDENCE
1	T0246	OT0120	0,002	0,200
2	T0186	OT0120	0,001	0,200
3	T0277	T0082	0,003	0,200
4	A0019	T0082	0,001	0,200
5	V0008	T0035	0,001	0,200
6	A0019	T0035	0,001	0,200
7	SL0050	AL0061	0,001	0,200
8	M000000695	AL0061	0,001	0,200
9	AL0063	AL0061	0,001	0,200
10	V0008	T0029	0,001	0,200
11	T0267	T0029	0,001	0,200
12	T0188	T00200	0,001	0,200
13	T0267	T0305	0,001	0,200
14	T0222	T0277	0,001	0,200
15	T0160	T0251	0,001	0,200
16	T0222	T0293	0,001	0,200
17	T0222	T0306	0,001	0,200
18	T0267	T0304	0,001	0,200
19	OT0120, T0082	T0035	0,001	0,200
20	OT0120, T0082	T0333	0,001	0,200
21	OT0120, T0082	T0028	0,001	0,200
22	OT0120, T0082	T0277	0,001	0,200
23	OT0120, T0035	OT0054	0,002	0,200
24	T0393	T0082	0,006	0,207
25	T0393	T0029	0,006	0,207
26	OT0037	T0082	0,001	0,211
27	A000000069	T0082	0,001	0,211
28	OT0037	T0035	0,001	0,211
29	T0082	T0035	0,011	0,211
.....	.....	.....	.....	.....
.....	.....	.....	.....	.....
261	T0293, T0005	T0333, T0252	0,001	1
262	T0333, T0293, T0005	T0252	0,001	1
263	T0252, T0293, T0005	T0333	0,001	1

Lampiran 7: Cuplikan Hasil *Association Rules* dengan nilai minimum *support* 0,001 dan minimum *confidence* 0,5 Bulan Juli 2017

NO	PREMIS	CONCLUSION	SUPPORT	CONFIDENCE
1	A0028	OT0020	0,001	0,500
2	AL1005	AL0014	0,002	0,500
3	A0028	B0049	0,001	0,500
4	OT0202	OT0009	0,001	0,500
5	T0333, T0373	M00000369	0,001	0,500
6	TEC0001, C000000326	A000000069	0,001	0,500
7	T0160	T0251	0,005	0,522
8	T0271	T0252	0,009	0,523
9	C000000326	TEC0001	0,002	0,545
10	T0252, T0036	T0350	0,002	0,545
11	T0252, T0350	T0036	0,002	0,545
12	T0333, T0029	T0252	0,002	0,556
13	A000000069	TEC0001	0,003	0,571
14	T0252, T0035	T0271	0,002	0,571
15	T0082, T0373	T0333	0,002	0,571
16	T0072, T0036	T0350	0,002	0,571
17	D00000025	OT0120	0,001	0,600
18	T0305, T0029	T0083	0,001	0,600
19	V0006, V0002	V0001	0,001	0,600
20	T0252, T0029	T0333	0,002	0,625
21	A0049	A0047	0,002	0,667
22	T0035, T0271	T0252	0,002	0,667
23	T0036, T0351	T0252	0,002	0,667
24	T0036, T0350	T0252	0,002	0,667
25	T0333, T0373	T0082	0,002	0,667
26	T0083, T0140	41203	0,002	0,667
27	T0333, M00000369	T0373	0,001	0,750
28	V0005, V0001	V0006	0,001	0,750
29	V0006, V0001	V0005	0,001	0,750
30	V0005, V0001	V0002	0,001	0,750
31	V0006, V0001	V0002	0,001	0,750
.....	.....	.....	.....	.....
.....	.....	.....	.....	.....
38	T0083, 41203	T0140	0,002	1
39	T0140, 41203	T0083	0,002	1
40	T0217, T0189	T0277	0,001	1

Lampiran 8: Cuplikan Hasil *Association Rules* dengan nilai minimum *support* 0,001 dan minimum *confidence* 0,5 Bulan Agustus 2017

NO.	PREMIS	CONCLUSION	SUPPORT	CONFIDENCE
1	C0033	A0063	0,001	0,500
2	41203	T0083	0,002	0,500
3	A000000122	T00201	0,001	0,500
4	OT0084	T0334	0,001	0,500
5	AL1005	AL0012	0,002	0,500
6	OT0084	T0081	0,001	0,500
7	B0021	OT0099	0,001	0,500
8	41203	T0140	0,002	0,500
9	T0252, T0350	T0036	0,002	0,500
10	41203	T0083, T0140	0,002	0,500
11	AL0012, AL089775	L0008	0,001	0,500
12	A000000069	TEC0001	0,004	0,529
13	V0001	V0002	0,004	0,556
14	T0252, T0334	T0271	0,002	0,571
15	T0271, T0334	T0252	0,002	0,571
16	T0083, T0140	41203	0,002	0,571
17	V0006, V0001	V0002	0,002	0,571
18	TEC0001, C000000326	A000000069	0,002	0,571
19	T0333, T0029	T0252	0,003	0,583
20	OTO135	T0333	0,001	0,600
21	T0159	T0251	0,001	0,600
22	H000002323	T0028	0,001	0,600
23	T0082, T0029	T0305	0,001	0,600
24	T0029, T0305	T0082	0,001	0,600
25	T0373, T0036	T0252	0,001	0,600
26	T0373, T0036	S0205	0,001	0,600
27	AL0012, L0008	AL089775	0,001	0,600
28	AL089775, L0008	AL0012	0,001	0,600
29	L0012, AL089775	L0008	0,001	0,600
.....	.....	.....	.....	.....
.....	.....	.....	.....	.....
64	T0036, S0205	T0252, T0373	0,001	1
65	T0252, T0036, S0205	T0373	0,001	1
66	T0373, T0036, S0205	T0252	0,001	1

Lampiran 9: Cuplikan Hasil *Association Rules* dengan nilai minimum *support* 0,001 dan minimum *confidence* 0,5 Bulan September 2017

NO.	PREMIS	CONCLUSION	SUPPORT	CONFIDENCE
1	T509098	T00201	0,001	0,500
2	A000000069	TEC0001	0,004	0,500
3	T0307	T0351	0,001	0,500
4	D0000025	A0071	0,001	0,500
5	T0252, T0334	T0333	0,002	0,500
6	T0333, T0057	T0252	0,001	0,500
7	T0252, T0036	T0350	0,001	0,500
8	T0083, T0140	41203	0,001	0,500
9	V0005, V0006	V0001	0,001	0,500
10	T0333, T0252, T0029	OT0094	0,001	0,500
11	V0005, V0006	V0002, V0001	0,001	0,500
12	C000000326	A000000069, TEC0001	0,002	0,556
13	T0186	T0082	0,002	0,571
14	T0186	T0333	0,002	0,571
15	TEC0001	A000000069	0,004	0,579
16	T0140	T0083	0,002	0,600
17	AC8974	V0056	0,001	0,600
18	T0082, T0028	OT0120	0,001	0,600
19	T0082, T0028	T0035	0,001	0,600
20	T0035, T0028	T0082	0,001	0,600
21	T0082, OT2000	T0035	0,001	0,600
22	T0252, T0029	T0333	0,002	0,600
23	T0252, OT0094	T0333	0,001	0,600
24	T0252, OT0094	T0029	0,001	0,600
25	T0252, T0350	T0036	0,001	0,600
26	T0083, 41203	T0140	0,001	0,600
27	T0072, T0036	T0350	0,001	0,600
28	AC8974	T0036, V0056	0,001	0,600
29	T0036, AC8974	V0056	0,001	0,600
.....	.....	.....	.....	.....
.....	.....	.....	.....	.....
70	V0006, V0001	V0005, V0002	0,001	1
71	V0005, V0006, V0001	V0002	0,001	1
72	V0002, V0006, V0001	V0005	0,001	1

Lampiran 10: Cuplikan Hasil *Association Rules* dengan nilai minimum *support* 0,001 dan minimum *confidence* 0,5 Bulan Oktober 2017

NO.	PREMIS	CONCLUSION	SUPPORT	CONFIDENCE
1	V0088	T0082	0,001	0,500
2	T0267	T0029	0,003	0,500
3	TEC0001	A000000069	0,004	0,500
4	C000000326	A000000069	0,002	0,500
5	T0082, T0350	T0393	0,001	0,500
6	T0252, T0036	T0350	0,002	0,500
7	V0006, V0005	V0002	0,001	0,500
8	V0006, V0001	V0002	0,001	0,500
9	T0252, T0334	T0271	0,002	0,556
10	C0036	T0333	0,002	0,571
11	T0337	T0199	0,002	0,571
12	T0333, OT0093	T0082	0,002	0,571
13	T0082, T0029	T0393	0,002	0,571
14	OT0013	T0028	0,001	0,600
15	OT0023	OT0020	0,001	0,600
16	41203	T0140	0,001	0,600
17	OT0023	P000000154	0,001	0,600
18	T0199, T0083	T0337	0,001	0,600
19	V0002, V0005	V0006	0,001	0,600
20	OT0023	OT0020, P000000154	0,001	0,600
21	T0247	T0252	0,002	0,625
22	S0283	S0281	0,002	0,625
23	T0334, T0271	T0252	0,002	0,625
24	T0252, T0350	T0036	0,002	0,625
25	T0036, T0350	T0252	0,002	0,625
26	T0029, T0267	T0333	0,002	0,625
27	S0146	OT0099	0,002	0,667
28	S0146	C0037	0,002	0,667
29	S0146	OT0099, C0037	0,002	0,667
.....	.....	.....	.....	.....
.....	.....	.....	.....	.....
64	T0029, C0036	T0252, T0333	0,001	1
65	T0252, T0029, C0036	T0333	0,001	1
66	T0333, T0029, C0036	T0252	0,001	1

Lampiran 11: Cuplikan Hasil *Association Rules* dengan nilai minimum *support* 0,001 dan minimum *confidence* 0,5 Bulan November 2017

NO.	PREMIS	CONCLUSION	SUPPORT	CONFIDENCE
1	T0177	T0082	0,002	0,500
2	C0037	T0333	0,002	0,500
3	C0037	T0252	0,002	0,500
4	BB6579	D0002	0,002	0,500
5	L0013	L0068	0,002	0,500
6	T0393, T0029	T0082	0,001	0,500
7	T0373, T0036	T0252	0,001	0,500
8	T0029, T0305	T0083	0,001	0,500
9	41203, T0140	T0083	0,001	0,500
10	V0006, V0005	V0002	0,002	0,500
11	V0006, V0005	V0001	0,002	0,500
12	V0005, V0002	V0001	0,001	0,500
13	41203, T0140	T0267	0,001	0,500
14	V0005, V0002	V0006, V0001	0,001	0,500
15	J0989887	J0074	0,003	0,538
16	AL1006	AL0012	0,003	0,545
17	T0140	41203	0,003	0,545
18	V0001	V0005	0,002	0,556
19	C000000326	TEC0001, A000000069	0,003	0,571
20	H000001	T0333	0,001	0,600
21	T0063	T0064	0,001	0,600
22	OT0122	T0266	0,001	0,600
23	T0082, T0029	T0393	0,001	0,600
24	T0036, T0350	T0252	0,001	0,600
25	L0068, L0013	K0066	0,001	0,600
26	V0005, V0001	V0002	0,001	0,600
27	V0005, V0001	V0006, V0002	0,001	0,600
28	TEC0001	A000000069	0,007	0,607
29	T0333, T0334	T0252	0,002	0,625
.....	.....	.....	.....	.....
.....	.....	.....	.....	.....
99	S0146, C0037	T0087, OT0099	0,001	1,000
100	T0087, S0146, C0037	OT0099	0,001	1,000
101	OT0099, S0146, C0037	T0087	0,001	1,000

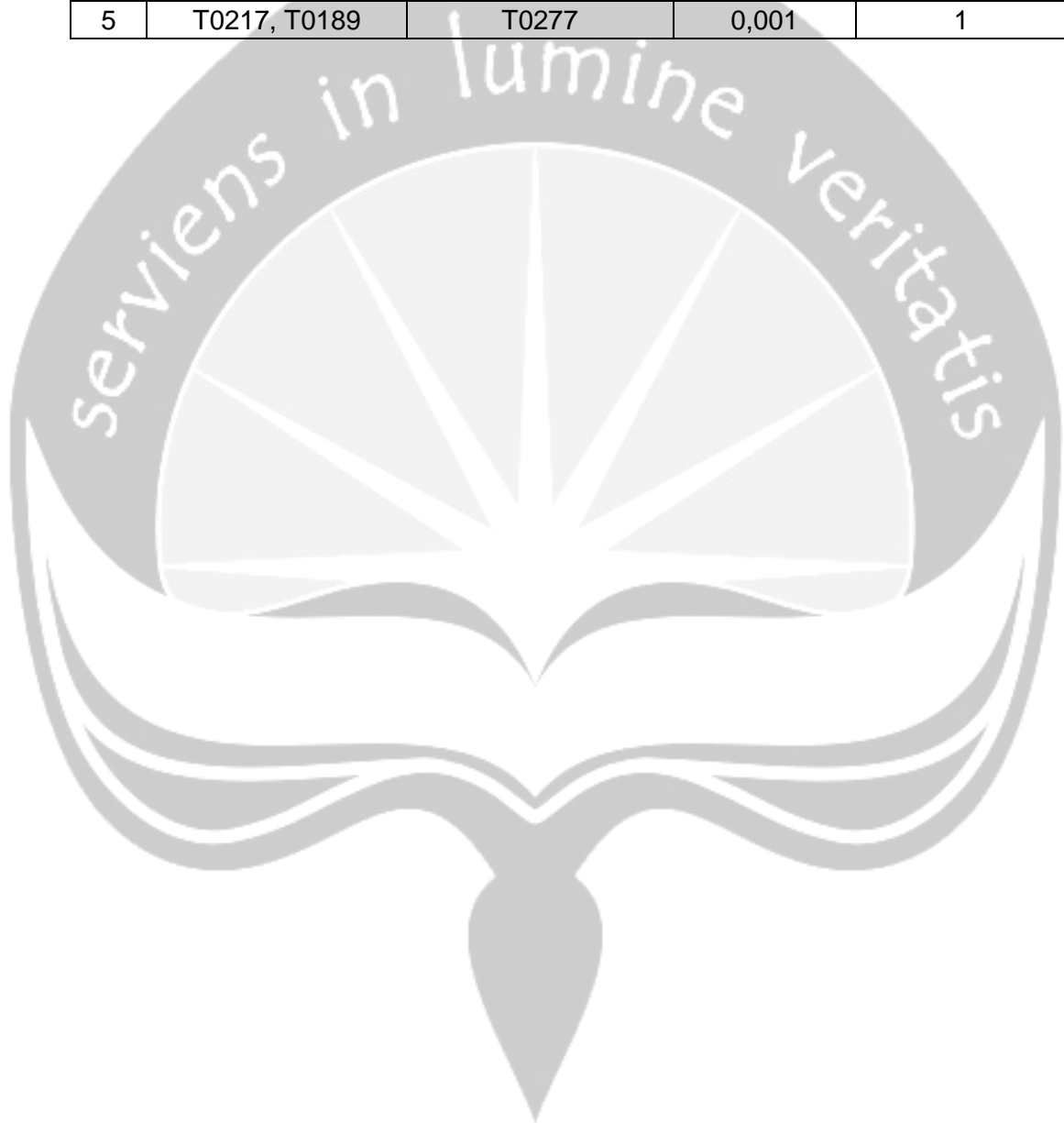
Lampiran 12: Cuplikan Hasil *Association Rules* dengan nilai minimum *support* 0,001 dan minimum *confidence* 0,5 Bulan Desember 2017

NO.	PREMIS	CONCLUSION	SUPPORT	CONFIDENCE
1	SL0011	T0208	0,002	0,500
2	OT0105	T0217	0,001	0,500
3	V0002	V0001	0,002	0,500
4	V0068	M00000695	0,001	0,500
5	A000000122	T0243	0,001	0,500
6	S0146	C0037	0,001	0,500
7	OT0120, OT0054	T0035	0,002	0,500
8	T0333, AL0061	T0082	0,001	0,500
9	T0082, T0029	T0072	0,001	0,500
10	T0082, T0029	T0253	0,001	0,500
11	T0029, T0253	T0082	0,001	0,500
12	T0333, T0334	T0252	0,002	0,500
13	T0252, T0334	T0333	0,002	0,500
14	T0333, T0293	T0005	0,001	0,500
15	T0029, T0271	T0252	0,001	0,500
16	T0029, T0253	T0393	0,001	0,500
17	T0029, T0271	T00200	0,001	0,500
18	T0082, T0029	T0393, T0253	0,001	0,500
19	T0029, T0253	T0082, T0393	0,001	0,500
20	T0333, T0293	T0252, T0005	0,001	0,500
21	TEC0001	A000000069	0,003	0,529
22	S0283	S0281	0,002	0,556
23	S0281	S0283	0,002	0,556
24	T0035, OT0054	OT0120	0,002	0,556
25	T0252, T0350	T0036	0,002	0,556
26	T0005	T0333	0,001	0,571
27	C0037	S0146	0,001	0,571
28	T0252, T0373	T0036	0,001	0,571
29	B0079	OT0054	0,001	0,600
.....	.....	.....	.....	.....
.....	.....	.....	.....	.....
109	T0293, T0005	T0333, T0252	0,001	1
110	T0333, T0293, T0005	T0252	0,001	1
111	T0252, T0293, T0005	T0333	0,001	1



Lampiran 13: Hasil *Association Rules* dengan nilai minimum *support* 0,001 dan minimum *confidence* 0,9 Bulan Juli 2017

<b>NO.</b>	<b>PREMIS</b>	<b>CONCLUSION</b>	<b>SUPPORT</b>	<b>CONFIDENCE</b>
1	HGFD1251	S0372	0,002	1
2	M00000369, T0373	T0333	0,001	1
3	T0083, 41203	T0140	0,002	1
4	T0140, 41203	T0083	0,002	1
5	T0217, T0189	T0277	0,001	1



Lampiran 14: Hasil *Association Rules* dengan nilai minimum *support* 0,001 dan minimum *confidence* 0,9 Bulan Agustus 2017

<b>NO.</b>	<b>PREMIS</b>	<b>CONCLUSION</b>	<b>SUPPORT</b>	<b>CONFIDENCE</b>
1	T0005	T0333	0,001	1
2	AC8974	T0036	0,001	1
3	T0082, T0252	T0271	0,002	1
4	T0252, T0293	T0333	0,001	1
5	T0252, S0205	T0373	0,001	1
6	T0252, S0205	T0036	0,001	1
7	T0036, S0205	T0252	0,001	1
8	T0083, 41203	T0140	0,002	1
9	T0140, 41203	T0083	0,002	1
10	T0036, S0205	T0373	0,001	1
11	AL0012, L0014	AL1005	0,001	1
12	L0014, AL1005	AL0012	0,001	1
13	A000000069, C000000326	TEC0001	0,002	1
14	T0252, T0373, T0036	S0205	0,001	1
15	T0252, S0205	T0373, T0036	0,001	1
16	T0252, T0373, S0205	T0036	0,001	1
17	T0036, S0205	T0252, T0373	0,001	1
18	T0252, T0036, S0205	T0373	0,001	1
19	T0373, T0036, S0205	T0252	0,001	1

Lampiran 15: Hasil *Association Rules* dengan nilai minimum *support* 0,001 dan minimum *confidence* 0,9 Bulan September 2017

NO.	PREMIS	CONCLUSION	SUPPORT	CONFIDENCE
1	AC8974	T0036	0,002	1
2	T0028, L0007	OT0120	0,001	1
3	T0252, T0057	T0333	0,001	1
4	T0029, OT0094	T0333	0,001	1
5	T0029, OT0094	T0252	0,001	1
6	41203.0, T0140	T0083	0,001	1
7	T0072, T0350	T0036	0,001	1
8	V0005, V0001	V0002	0,002	1
9	V0006, V0001	V0005	0,001	1
10	T0036, V0056	AC8974	0,001	1
11	V0056, AC8974	T0036	0,001	1
12	V0006, V0001	V0002	0,001	1
13	T0333, T0252, OT0094	T0029	0,001	1
14	T0029, OT0094	T0333, T0252	0,001	1
15	T0333, T0029, OT0094	T0252	0,001	1
16	T0252, T0029, OT0094	T0333	0,001	1
17	V0006, V0001	V0005, V0002	0,001	1
18	V0005, V0006, V0001	V0002	0,001	1
19	V0002, V0006, V0001	V0005	0,001	1

Lampiran 16: Hasil *Association Rules* dengan nilai minimum *support* 0,001 dan minimum *confidence* 0,9 Bulan Oktober 2017

<b>NO.</b>	<b>PREMIS</b>	<b>CONCLUSION</b>	<b>SUPPORT</b>	<b>CONFIDENCE</b>
1	T0082, OT0020	T0393	0,001	1
2	T0393, T0350	T0082	0,001	1
3	T0082, OT0105	A0030	0,001	1
4	A0030, OT0105	T0082	0,001	1
5	T0252, T0057	T0333	0,001	1
6	T0252, C0036	T0333	0,001	1
7	T0252, C0036	T0029	0,001	1
8	T0029, C0036	T0252	0,001	1
9	T0333, T0267	T0029	0,002	1
10	T0029, C0036	T0333	0,001	1
11	T0083, T0337	T0199	0,001	1
12	OT0020, P000000154	OT0023	0,001	1
13	OT0020, OT0023	P000000154	0,001	1
14	P000000154, OT0023	OT0020	0,001	1
15	OT0099, S0146	C0037	0,002	1
16	OT0099, C0037	S0146	0,002	1
17	S0146, C0037	OT0099	0,002	1
18	T0252, C0036	T0333, T0029	0,001	1
19	T0252, T0333, C0036	T0029	0,001	1
20	T0029, C0036	T0252, T0333	0,001	1
21	T0252, T0029, C0036	T0333	0,001	1
22	T0333, T0029, C0036	T0252	0,001	1

Lampiran 17: Cuplikan Hasil *Association Rules* dengan nilai minimum *support* 0,001 dan minimum *confidence* 0,9 Bulan November 2017

NO.	PREMIS	CONCLUSION	SUPPORT	CONFIDENCE
1	T02661	T0305	0,001	1
2	T0333, V0108	T0252	0,001	1
3	T0252, V0108	T0333	0,001	1
4	T0333, V0107	T0252	0,001	1
5	T0252, V0107	T0333	0,001	1
6	T0393, T0343	T0977889	0,002	1
7	T0393, T0977889	T0343	0,002	1
8	T0343, T0977889	T0393	0,002	1
9	V0006, V0002	V0005	0,002	1
10	V0006, V0001	V0005	0,002	1
11	V0002, V0001	V0006	0,001	1
12	T0087, OT0099	S0146	0,001	1
13	T0087, S0146	OT0099	0,001	1
14	OT0099, S0146	T0087	0,001	1
15	T0087, OT0099	C0037	0,001	1
16	T0087, C0037	OT0099	0,001	1
17	OT0099, C0037	T0087	0,001	1
18	T0087, S0146	C0037	0,001	1
19	T0087, C0037	S0146	0,001	1
20	S0146, C0037	T0087	0,001	1
21	V0002, V0001	V0005	0,001	1
22	A0030, T0173	T0081	0,002	1
23	T0081, T0173	A0030	0,002	1
24	41203, T0267	T0140	0,001	1
25	T0267, T0140	41203	0,001	1
26	OT0099, S0146	C0037	0,001	1
27	OT0099, C0037	S0146	0,001	1
28	S0146, C0037	OT0099	0,001	1
29	V0002, V0001	V0006, V0005	0,001	1
.....	.....	.....	.....	.....
.....	.....	.....	.....	.....
39	S0146, C0037	T0087, OT0099	0,001	1
40	T0087, S0146, C0037	OT0099	0,001	1
41	OT0099, S0146, C0037	T0087	0,001	1

Lampiran 18: Hasil *Association Rules* dengan nilai minimum *support* 0,001 dan minimum *confidence* 0,9 Bulan November 2017

NO.	PREMIS	CONCLUSION	SUPPORT	CONFIDENCE
1	OT0120, T0277	T0082	0,001	1
2	T0035, B0037	OT0120	0,001	1
3	OT0120, T0241	T0035	0,001	1
4	T0035, T0241	OT0120	0,001	1
5	T0334, A0038	OT0120	0,001	1
6	T0082, M0001	T0035	0,001	1
7	T0035, M0001	T0082	0,001	1
8	T0199, T0277	T0082	0,001	1
9	T0333, V0108	T0252	0,001	1
10	T0252, V0108	T0333	0,001	1
11	T0252, T0005	T0333	0,001	1
12	T0333, T0081	T0334	0,001	1
13	T0334, T0081	T0333	0,001	1
14	T0293, T0005	T0333	0,001	1
15	T0271, T0293	T0252	0,001	1
16	T0252, T0005	T0293	0,001	1
17	T0293, T0005	T0252	0,001	1
18	T0277, OT0138	T0343	0,001	1
19	OT0138, T0343	T0277	0,001	1
20	OT0099, S0146	C0037	0,001	1
21	OT0099, C0037	S0146	0,001	1
22	T0082, T0393, T0253	T0029	0,001	1
23	T0082, T0029, T0253	T0393	0,001	1
24	T0393, T0029, T0253	T0082	0,001	1
25	T0252, T0005	T0333, T0293	0,001	1
26	T0333, T0252, T0005	T0293	0,001	1
27	T0293, T0005	T0333, T0252	0,001	1
28	T0333, T0293, T0005	T0252	0,001	1
29	T0252, T0293, T0005	T0333	0,001	1

Lampiran 19: Hasil *Association Rules* dengan nilai minimum *support* 0,005 dan minimum *confidence* 0,5 Bulan Juli 2017

<b>NO</b>	<b>PREMISES</b>	<b>CONCLUSION</b>	<b>SUPPORT</b>	<b>CONFIDENCE</b>
1	T0271	T0252	0,009	0,523



Lampiran 20: Hasil *Association Rules* dengan nilai minimum *support* 0,005 dan minimum *confidence* 0,5 Bulan September 2017

<b>NO.</b>	<b>PREMIS</b>	<b>CONCLUSION</b>	<b>SUPPORT</b>	<b>CONFIDENCE</b>
1	V0001	V0002	0,006	0,636





Lampiran 21: Hasil *Association Rules* dengan nilai minimum *support* 0,005 dan minimum *confidence* 0,5 Bulan November 2017

<b>NO.</b>	<b>PREMIS</b>	<b>CONCLUSION</b>	<b>SUPPORT</b>	<b>CONFIDENCE</b>
1	TEC0001	A000000069	0,007	0,607
2	A000000069	TEC0001	0,007	0,810



Lampiran 22: Hasil *Association Rules* dengan nilai minimum *support* 0,005 dan minimum *confidence* 0,2 Bulan Juli 2017

<b>NO.</b>	<b>PREMIS</b>	<b>CONCLUSION</b>	<b>SUPPORT</b>	<b>CONFIDENCE</b>
1	T0252	T0271	0,009	0,202
2	T0082	T0035	0,008	0,204
3	T0393	T0082	0,006	0,227
4	T0271	T0252	0,009	0,523



Lampiran 23: Hasil *Association Rules* dengan nilai minimum *support* 0,005 dan minimum *confidence* 0,2 Bulan Agustus 2017

<b>NO.</b>	<b>PREMIS</b>	<b>CONCLUSION</b>	<b>SUPPORT</b>	<b>CONFIDENCE</b>
1	T0333	T0082	0,009	0,202
2	T0036	T0252	0,006	0,333
3	T0271	T0252	0,008	0,476



Lampiran 24: Hasil *Association Rules* dengan nilai minimum *support* 0,005 dan minimum *confidence* 0,2 Bulan September 2017

<b>NO.</b>	<b>PREMIS</b>	<b>CONCLUSION</b>	<b>SUPPORT</b>	<b>CONFIDENCE</b>
1	T0333	T0252	0,010	0,203
2	T0035	T0082	0,011	0,205
3	T0029	T0083	0,005	0,210
4	T0333	T0082	0,011	0,229
5	T0305	T0082	0,006	0,269
6	T0029	T0333	0,007	0,274
7	T0252	T0333	0,010	0,279
8	V0002	V0001	0,006	0,389
9	V0001	V0002	0,006	0,636



Lampiran 25: Hasil *Association Rules* dengan nilai minimum *support* 0,005 dan minimum *confidence* 0,2 Bulan Oktober 2017

<b>NO.</b>	<b>PREMIS</b>	<b>CONCLUSION</b>	<b>SUPPORT</b>	<b>CONFIDENCE</b>
1	T0082	T0333	0,013	0,223
2	T0393	T0082	0,007	0,254
3	T0333	T0082	0,013	0,274
4	T0029	T0333	0,006	0,275
5	T0035	T0082	0,011	0,318
6	T0306	T0082	0,006	0,438



Lampiran 26: Hasil *Association Rules* dengan nilai minimum *support* 0,005 dan minimum *confidence* 0,2 Bulan November 2017

<b>NO.</b>	<b>PREMIS</b>	<b>CONCLUSION</b>	<b>SUPPORT</b>	<b>CONFIDENCE</b>
1	T0373	T0082	0,006	0,220
2	T0029	T0333	0,006	0,224
3	T0252	T0333	0,009	0,236
4	T0393	T0082	0,007	0,271
5	T0035	T0082	0,011	0,272
6	T0271	T0252	0,005	0,414
7	T0253	T0333	0,005	0,444
8	TEC0001	A000000069	0,007	0,607
9	A000000069	TEC0001	0,007	0,810



Lampiran 27: Hasil *Association Rules* dengan nilai minimum *support* 0,005 dan minimum *confidence* 0,2 Bulan Desember 2017

<b>NO.</b>	<b>PREMIS</b>	<b>CONCLUSION</b>	<b>SUPPORT</b>	<b>CONFIDENCE</b>
1	T0393	T0082	0,006	0,207
2	T0393	T0029	0,006	0,207
3	T0082	T0035	0,011	0,211
4	T0035	T0082	0,011	0,234
5	T0029	T0393	0,006	0,239
6	T0333	T0252	0,011	0,250
7	T0252	T0333	0,011	0,267

