

## BAB 6

### KESIMPULAN DAN SARAN

#### 6.1. Kesimpulan

Dari hasil analisis persediaan pulsa produk AS, Simpati, IM3, Mentari, dan XL di Graha Cellular, dapat ditarik kesimpulan bahwa untuk memaksimalkan total laba dipilih jumlah order stok pulsa yang mengikuti nilai *Target Stock Level* (TSL) seperti pada Tabel 6.1. dan Tabel 6.2. Jumlah order dihitung dengan cara mengurangi nilai TSL dengan stok hari sebelumnya.

**Tabel 6.1. Target Stock Level Produk AS, Simpati, dan XL**

Produk		Target Stock Level (unit)
AS	5	6.670
	10	5.333
	15	90
	25	379
	50	140
	100	12
Simpati	5	10.365
	10	15.095
	20	6.995
	50	1.144
	100	180
XL	5	26.559
	10	13.139

**Tabel 6.2. Target Stock Level Produk IM3 dan Mentari**

Produk		Target Stock Level (unit)	
		Senin	Kamis
IM3	5	6.129	8.027
	10	4.820	4.820
	20	830	830
	25	185	210
	50	120	120
	100	20	20
Mentari	5	1.382	1.737
	10	1.055	1.420
	20	386	386
	25	205	205
	50	100	100
	100	27	32

### 6.2. Saran

Karena Graha Cellular belum memiliki metode dalam menentukan persediaan pulsa dengan sistem stok untuk produk AS, Simpati, IM3, Mentari, dan XL, maka disarankan untuk melakukan order dengan jumlah mengikuti nilai *Target Stock Level* (TSL). Jumlah order stok pulsa dihitung dengan cara mengurangi nilai TSL dengan stok hari sebelumnya.

Graha Cellular juga belum memiliki metode dalam menentukan persediaan pulsa dengan sistem *value* untuk produk Axis, Three, Fren, Flexi, Smart, Esia, Ceria, dan Star One. Oleh karena itu, pada penelitian berikutnya dapat dilakukan analisis persediaan pulsa ini. Dengan demikian perusahaan dapat melakukan pendepositan pulsa pada tepat waktunya dan tidak mengalami kehabisan deposit.

## DAFTAR PUSTAKA

Ahyari, A., 1986, *Pengendalian Produksi Edisi 4*, BPFE, Yogyakarta.

Baroto, T., 2002, *Perencanaan dan Pengendalian Produksi*, Ghalia Indonesia, Jakarta.

Budi Santosa, Purbayu., dan Ashari, 2005, *Analisis Statistik dengan Microsoft Excel & SPSS*, Andi Offset, Yogyakarta.

Handoko, T. Hani., 1984, *Dasar-Dasar Manajemen Produksi dan Operasi*, BPFE, Yogyakarta.

[http://www.bankmandiri.co.id/resource/suku\\_bunga.asp](http://www.bankmandiri.co.id/resource/suku_bunga.asp), diakses pada tanggal 27 Mei 2010 pukul 20.00 WIB.

Kelton, W.D., Randall P. Sadowski, David T. Sturrock, 2007, *Simulation with Arena 4<sup>th</sup> Edition*, McGraw Hill Companies Inc, New York.

Kurniawan, Ricky., 2010, *Analisis Persediaan Bahan Baku Kulit di PT Sport Glove Indonesia*, Skripsi di Program Studi Teknik Industri, Fakultas Teknologi Industri, Universitas Atma Jaya Yogyakarta.

Law, M., dan Kelton, W.D., 2000, *Simulation Modeling and Analysis 3<sup>th</sup> Edition*, McGraw Hill Companies Inc, Singapore.

Saputro, Wahyu Ardyanto., 2007, *Perencanaan Persediaan Kain (Studi Kasus di Toska Production)*, Skripsi di Program Studi Teknik Industri, Fakultas Teknologi Industri, Universitas Atma Jaya Yogyakarta.

Siswanto, 1985, *Persediaan Model dan Analisis*, Andi Offset, Yogyakarta.

Siswanto, 2007, *Operations Research Jilid 2*, Penerbit Erlangga, Jakarta.

Waters, C.D.J., 1992, *Inventory Control and Management*, John Wiley & Sons, Chichester.

Winata, Predian., 2009, *Analisis Kebijakan Perencanaan Detergen dan Pewangi di Princess Laundry*, Skripsi di Program Studi Teknik Industri, Fakultas Teknologi Industri, Universitas Atma Jaya Yogyakarta.

Yulianti, Kristin., 2008, *Analisis Pengiriman Roti ke Magelang dengan Simulasi (Studi Kasus di Trappist Bakery Temanggung)*, Skripsi di Program Studi Teknik Industri, Fakultas Teknologi Industri, Universitas Atma Jaya Yogyakarta.



Lampiran 1. Data Permintaan Konsumen Bulan Januari 2010

Produk	JANUARI																														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
A5	691	834	786	807	619	774	784	718	745	805	821	765	708	784	758	817	817	781	748	735	793	815	857	791	871	811	844	761	754	783	735
A10	660	670	627	634	502	612	620	620	619	597	688	601	624	577	608	635	575	654	643	619	626	650	614	601	627	598	625	632	579	637	625
A15	0	9	10	9	1	7	6	3	5	12	6	4	13	12	14	4	11	14	12	7	12	10	7	12	11	11	13	19	6	9	2
A25	0	48	42	67	49	48	64	63	70	57	57	44	39	58	72	47	63	69	53	63	57	52	59	54	51	60	81	46	46	48	57
A50	9	13	12	14	12	16	13	16	17	15	13	19	25	15	16	6	19	15	10	18	14	8	14	13	16	12	18	20	20	17	22
A100	0	3	0	1	0	0	2	1	0	0	1	1	0	0	1	0	0	1	1	0	3	2	0	0	3	0	0	1	0	0	1
S5	1108	1106	1136	1117	766	1091	1183	1047	1177	1119	1183	1089	1200	1177	1170	1128	1174	1188	1145	1235	1146	1164	1239	1149	1199	1249	1240	1161	1128	1227	1193
S10	1899	1639	1697	1875	1248	1708	1755	1627	1705	1787	1860	1696	1752	1761	1705	1790	1602	1861	1766	1791	1778	1781	1810	1699	1810	1872	1809	1865	1654	1926	1726
S20	886	829	807	985	619	887	894	827	883	844	936	873	894	851	898	866	770	877	834	904	887	933	884	759	886	896	954	869	856	913	824
S50	126	117	121	172	100	171	129	137	134	129	147	151	167	145	131	134	118	167	129	170	170	136	151	143	161	142	159	153	148	154	124
S100	16	22	19	11	6	32	20	13	20	18	21	17	12	18	15	22	15	17	13	8	26	20	13	15	29	23	20	27	23	27	10
I5	1973	1210	1280	1313	914	1260	1270	1223	1359	1414	1396	1361	1307	1382	1397	1464	1408	1504	1499	1491	1479	1466	1587	1503	1487	1510	1479	1495	1361	889	1727
I10	1088	786	807	879	563	780	808	810	847	889	878	880	873	876	905	930	833	902	913	1019	937	961	944	932	934	1004	961	997	904	604	1111
I20	145	149	144	164	104	128	159	117	145	145	134	150	150	154	177	156	134	236	168	162	137	135	171	178	164	150	140	162	157	102	184
I25	41	38	41	39	21	45	44	35	40	44	41	38	41	34	47	45	33	44	54	41	51	49	68	35	43	47	35	45	32	29	53
I50	25	20	23	32	24	14	22	15	13	26	17	19	14	23	23	21	21	19	20	17	16	20	26	17	20	27	23	18	22	18	33
I100	1	4	0	4	0	3	3	1	2	0	1	5	0	3	0	2	0	5	2	2	0	1	0	1	3	5	1	5	4	4	4
M5	350	199	237	231	144	223	224	224	253	273	242	228	241	210	233	265	239	292	275	255	255	275	291	274	268	272	303	267	278	174	292
M10	275	237	247	284	149	227	278	244	234	238	278	241	272	259	261	262	236	303	295	294	283	285	296	266	304	298	296	320	245	197	316
M20	49	65	49	65	40	59	58	120	157	65	66	55	54	63	62	49	40	54	60	63	67	58	65	52	59	55	51	58	52	22	57
M25	36	41	33	48	26	60	43	49	37	33	49	40	41	35	45	42	39	55	39	45	41	37	45	50	41	39	44	32	47	36	47
M50	17	14	17	18	6	25	20	12	17	15	15	24	21	13	15	15	15	19	24	21	26	22	18	12	19	16	24	25	12	11	14
M100	4	3	3	9	1	9	8	4	6	6	6	6	3	7	2	10	8	6	6	5	1	10	7	2	8	5	6	1	7	1	5
XB5	3529	2965	2854	2737	1952	2830	2773	2594	2828	2947	2984	2661	2746	2863	2898	2939	3042	2979	2936	3013	2931	2931	3101	2942	2919	2927	3012	2972	2762	2925	3021
XB10	1688	1516	1427	1416	986	1435	1425	1426	1348	1343	1496	1406	1366	1341	1382	1434	1416	1477	1430	1449	1447	1505	1458	1372	1480	1469	1436	1488	1469	1571	1449

Lampiran 2. Data Permintaan Konsumen Bulan Februari 2010

Produk	FEBRUARI																											
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
A5	827	790	826	793	792	774	830	851	822	899	849	829	903	836	753	691	932	802	773	776	661	862	714	870	782	806	742	691
A10	700	683	747	692	673	653	650	688	644	683	698	721	763	653	830	756	721	680	639	698	667	774	750	754	714	682	724	660
A15	2	8	9	5	12	11	5	17	8	0	10	0	0	0	0	2	4	9	5	6	0	2	2	2	1	2	0	0
A25	65	76	68	73	72	53	55	46	65	23	21	0	23	56	6	0	1	62	41	34	54	46	37	58	61	46	6	0
A50	19	25	24	27	19	14	15	18	22	16	24	25	17	12	15	17	26	15	10	24	15	17	18	25	24	17	13	9
A100	3	2	0	1	0	0	2	2	3	0	0	1	0	0	0	0	2	1	0	0	0	0	0	1	0	1	0	0
S5	1294	1229	1338	1230	1218	1237	1295	1417	1337	1411	1365	1281	1345	1309	1138	1075	1301	1242	1241	1246	1081	1421	1173	1310	1287	1447	1296	1108
S10	2019	1936	2041	1732	1801	1774	1850	2143	1844	2074	1929	1918	2143	1930	2382	2216	2175	1986	1862	2084	1862	2136	2044	2335	2022	1944	2049	1899
S20	1064	948	971	960	954	896	822	1025	954	1090	1017	1081	1065	894	1153	1113	1176	994	987	953	859	1054	1076	1016	1025	978	945	886
S50	184	176	182	167	138	122	141	167	153	145	158	165	151	128	201	194	187	166	158	147	150	157	180	168	198	134	163	126
S100	32	20	34	26	26	23	20	27	31	19	29	18	18	11	6	3	29	31	24	14	13	19	26	17	13	12	21	16
I5	1671	1526	1631	1523	1536	1661	1768	1631	1526	1592	1609	1429	1861	1813	2125	1978	1965	1947	1879	1966	1906	2055	1509	2060	1944	2049	2189	1973
I10	991	905	996	939	1001	1094	992	1016	955	913	1005	836	1148	1029	1164	1046	1071	1113	1060	1102	977	1092	907	1141	1044	1264	1245	1088
I20	189	176	175	162	167	146	156	153	162	152	162	140	145	163	172	194	179	168	159	174	185	178	149	204	185	175	177	145
I25	48	43	63	33	43	38	41	36	45	45	48	41	52	35	50	45	44	41	37	48	45	60	41	49	52	56	57	41
I50	21	22	28	19	26	21	16	21	19	22	17	8	33	23	33	27	19	28	28	30	26	24	14	31	31	18	33	25
I100	8	2	4	2	3	2	1	2	6	5	4	0	4	2	0	0	0	3	4	2	2	3	1	0	4	1	2	1
M5	305	312	276	274	284	304	298	274	270	284	255	233	331	343	335	349	348	332	347	303	329	351	250	370	315	335	394	350
M10	301	302	278	286	273	313	273	335	298	335	292	270	328	268	349	313	307	321	275	339	247	320	244	332	305	330	311	275
M20	84	77	59	65	153	108	69	53	57	50	59	41	75	58	69	71	66	76	57	70	60	67	58	70	69	50	62	49
M25	39	49	45	42	41	46	38	41	40	49	51	32	42	28	50	40	45	52	41	39	43	60	34	52	46	37	46	36
M50	28	15	15	24	18	16	15	18	19	25	10	18	14	21	29	26	36	30	14	20	21	23	21	21	34	26	19	17
M100	3	8	7	9	7	0	2	7	5	11	4	6	8	5	1	0	0	5	2	5	2	5	7	0	2	5	11	4
XB5	3539	3409	3485	3283	3342	3309	3337	3572	3456	3403	3338	3334	3620	3483	3823	3534	3454	3402	3451	3716	3488	3675	3374	3720	3558	3864	3998	3529
XB10	1682	1651	1607	1539	1592	1621	1466	1710	1573	1695	1591	1624	1766	1607	1795	1706	1715	1583	1649	1795	1576	1744	1780	1833	1674	1905	1864	1688

Lampiran 3. Data Permintaan Konsumen Bulan Maret 2010

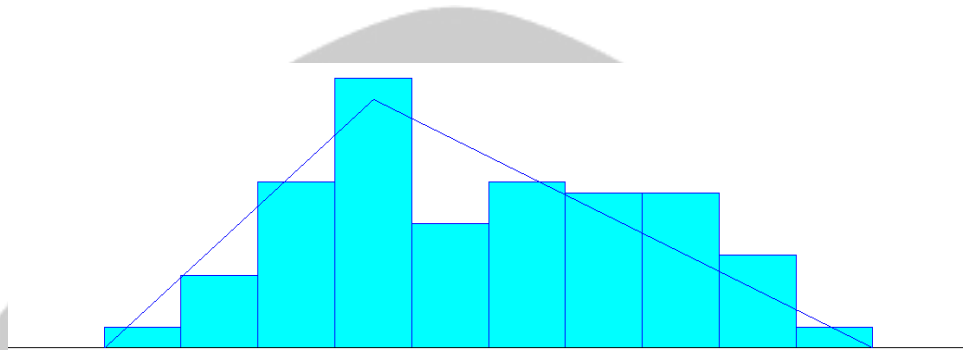
Produk	MARET																														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
A5	739	778	729	1081	1032	1120	893	1149	961	718	893	933	974	1050	1037	997	859	1058	941	1026	1056	1019	1040	1085	1019	928	1013	973	1027	882	1047
A10	855	735	862	801	742	793	676	842	617	672	626	664	670	626	761	659	758	763	703	770	690	699	717	767	702	668	761	606	708	583	792
A15	1	0	0	0	0	4	6	4	6	10	2	2	1	4	10	3	0	12	6	8	1	5	0	5	11	8	12	10	13	9	9
A25	3	12	32	25	18	42	15	41	45	44	58	46	34	50	57	15	42	44	51	54	47	45	48	49	45	49	50	34	19	38	25
A50	19	14	13	19	22	18	13	24	8	13	20	20	17	9	12	10	19	20	15	22	12	24	16	13	28	8	11	11	16	22	24
A100	1	0	0	0	2	0	0	0	0	0	1	0	0	0	0	2	0	1	2	1	2	0	0	1	1	0	0	2	1	0	0
S5	1159	1163	1210	1392	1408	1467	1304	1543	1283	1201	1428	1352	1294	1374	1309	1314	1213	1425	1287	1387	1362	1298	1514	1494	1455	1339	1525	1339	1472	1236	1542
S10	2335	1934	2227	2132	1986	2083	1797	2248	1863	1889	1854	1744	1713	1622	1771	1613	1852	1849	1689	1795	1620	1685	1758	1684	1892	1612	1839	1617	1862	1673	1955
S20	1057	1127	957	986	1037	1039	823	1054	940	951	980	916	867	852	926	836	943	940	883	783	747	840	867	926	891	822	898	761	849	851	1021
S50	162	154	126	173	167	165	107	167	81	102	150	143	166	121	175	126	140	148	146	109	108	140	149	136	133	149	170	107	133	146	185
S100	11	19	35	24	28	14	19	31	32	24	20	21	13	15	21	13	20	19	26	18	13	16	21	28	20	19	17	10	26	16	25
I5	2166	1904	1962	1789	1942	2122	1592	2146	1863	1923	1910	1880	2031	2066	2078	2015	1890	2054	1809	2032	2019	1968	1898	1955	1988	1874	2239	1999	2135	1856	2028
I10	1219	1178	1141	1123	1052	1130	783	1279	1122	1226	1237	1151	1181	1177	1213	1126	1113	1222	1090	1251	1227	1224	1189	1147	1243	1071	1218	1129	1161	1077	1170
I20	225	236	200	207	180	212	122	205	194	195	177	209	221	214	207	161	184	211	179	185	187	193	236	180	162	166	189	166	177	173	211
I25	67	64	49	61	57	53	30	30	0	0	42	51	50	31	43	36	44	70	41	46	51	47	37	46	52	51	54	34	34	33	45
I50	35	39	40	26	23	33	13	11	0	0	28	35	25	30	46	21	21	32	30	28	15	22	26	18	23	36	29	31	23	21	22
I100	0	0	0	2	2	0	0	0	0	0	2	0	0	0	4	2	2	3	3	1	2	0	0	1	2	3	3	2	6	3	3
M5	375	357	329	323	345	360	265	417	345	342	386	339	359	377	351	371	340	436	378	408	428	420	407	418	403	400	410	426	446	376	421
M10	385	283	305	309	353	326	198	384	322	343	336	291	304	358	332	285	305	363	298	324	300	341	369	329	342	309	345	322	336	310	340
M20	91	70	68	66	75	68	61	76	98	108	77	74	86	76	76	59	78	94	74	74	78	113	81	73	78	80	72	71	67	81	89
M25	58	49	56	55	58	43	27	43	0	0	36	53	48	15	43	35	49	44	56	34	38	47	43	46	53	39	44	43	52	44	35
M50	41	33	37	32	39	32	20	14	0	0	20	29	22	19	37	24	27	23	14	17	12	20	29	27	20	11	18	21	16	24	20
M100	0	0	0	3	9	0	0	0	0	0	3	10	0	0	1	4	6	6	5	5	4	7	5	7	5	7	2	1	7	5	7
XB5	3509	4381	3668	3598	3526	3768	3427	2711	2163	3579	3528	3388	3454	3480	3641	3544	3310	3501	3231	3485	3246	3382	3361	2393	3971	3387	3765	3388	3587	3490	3382
XB10	1761	2113	2000	1853	1673	1893	1621	2321	1777	1817	1736	1704	1712	1643	1826	1626	1621	1711	1680	1692	1528	1833	1827	1224	2078	1605	1849	1598	1777	1656	1703

Lampiran 4. Data Permintaan Konsumen Bulan April 2010

Produk	APRIL																														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
A5	1003	914	933	976	981	917	966	914	873	1062	998	973	956	1000	914	919	932	929	1002	975	973	943	934	1000	968	1076	947	1052	1006	990	
A10	800	635	757	662	755	748	770	651	699	709	696	691	736	713	684	701	681	691	744	692	702	702	668	707	659	782	667	757	732	761	
A15	10	6	2	0	0	0	0	7	6	7	0	0	0	1	9	6	1	0	0	0	0	11	9	0	0	0	0	0	0	0	
A25	53	29	34	17	7	1	38	45	51	36	41	51	66	54	53	37	50	28	36	30	42	56	36	42	30	35	6	11	8	8	
A50	17	21	17	14	19	26	15	21	11	12	10	13	21	27	8	17	14	19	18	18	17	25	19	17	12	20	15	24	19	27	
A100	1	3	1	2	0	0	2	2	3	2	1	1	3	2	0	3	1	1	0	1	1	1	1	4	1	2	0	1	1	0	1
S5	1351	1375	1400	1351	1460	1406	1589	1408	1392	1546	1352	1488	1830	1995	1669	1694	1738	1668	1790	1760	1809	1579	1582	1733	1725	1865	1605	1792	1832	1705	
S10	1807	1797	1780	1683	1931	1901	2035	1779	1787	1929	1731	1961	2209	2372	2114	2049	2180	1984	2243	2152	2279	2100	2090	2228	2054	2293	2019	2261	2184	2204	
S20	941	806	852	782	967	992	1011	927	908	897	814	975	990	1094	1000	877	951	837	1118	1002	1076	1049	986	919	869	1090	1031	1005	1093	1014	
S50	140	149	138	128	164	155	172	149	121	154	107	169	158	189	148	162	157	109	181	183	165	158	171	149	110	156	165	160	183	181	
S100	21	17	18	23	18	14	27	26	25	17	19	28	21	34	23	21	16	9	22	36	22	14	20	20	21	26	27	34	24	18	
I5	1998	1892	1864	1882	1958	1831	1916	1895	1998	1851	1973	1961	1877	1942	1904	1844	1994	1965	2074	1939	1864	1861	1921	1994	1908	2155	1856	1987	2013	1989	
I10	1226	1070	1113	1014	1120	1152	1149	1034	1089	1119	1049	1168	1093	1068	1077	1078	1104	1082	1177	1096	1091	1062	1110	1190	1113	1226	1110	1153	1170	1165	
I20	235	189	197	187	184	180	205	149	192	176	187	188	187	176	207	193	174	180	191	158	167	173	168	205	173	166	166	200	216	157	
I25	52	52	43	42	47	50	43	43	44	53	36	54	37	38	38	48	56	36	45	44	45	37	43	45	36	43	38	39	32	45	
I50	31	29	23	23	23	27	25	27	25	32	14	31	23	25	20	29	30	32	32	20	37	30	21	25	24	26	21	28	31	22	
I100	4	1	3	3	1	3	4	1	2	2	0	5	2	2	1	3	2	2	4	0	2	4	4	4	5	8	7	2	2	1	
M5	455	432	439	402	413	393	445	407	440	417	414	441	415	417	431	359	448	452	459	427	422	422	430	422	447	485	438	450	490	437	
M10	354	300	304	283	362	327	343	313	324	342	304	347	366	320	316	294	340	326	354	338	340	325	375	341	371	380	334	323	353	324	
M20	85	71	84	65	65	127	183	74	67	74	70	95	63	76	67	73	75	61	70	68	83	81	61	63	68	82	80	65	89	79	
M25	43	50	34	34	43	39	36	32	45	36	29	47	40	50	37	33	49	40	39	40	48	36	44	45	23	43	38	43	39	38	
M50	29	21	18	21	28	31	20	21	16	22	12	37	24	35	19	19	19	11	23	24	24	15	22	21	15	23	19	18	33	22	
M100	8	9	3	4	6	8	4	6	7	8	5	5	5	9	7	6	4	5	5	3	5	3	6	6	5	7	7	3	5	4	
XB5	3563	3435	3644	3630	3904	3787	3424	3139	3178	3204	3673	3707	3342	3577	3515	3593	3302	3723	3412	3526	3545	3352	3659	3838	3785	4054	3051	3250	3811	1463	
XB10	1739	1618	1650	1637	1600	1772	1790	1531	1524	1579	1630	1775	1775	1776	1650	1638	1575	1685	1545	1690	1734	1606	1731	1746	1683	1887	1423	1859	1697	556	



**Lampiran 5. Distribusi Data Permintaan Produk AS  
Nominal 5**



Distribution : Triangular  
 Expression : TRIA(619, 804, 1.15e+003)  
 Square Error : 0.010011

Chi Square Test  
 Number of intervals = 7  
 Degrees of freedom = 5  
 Test Statistic = 17  
 Corresponding p-value < 0.005

Kolmogorov-Smirnov Test  
 Test Statistic = 0.139  
 Corresponding p-value = 0.0186

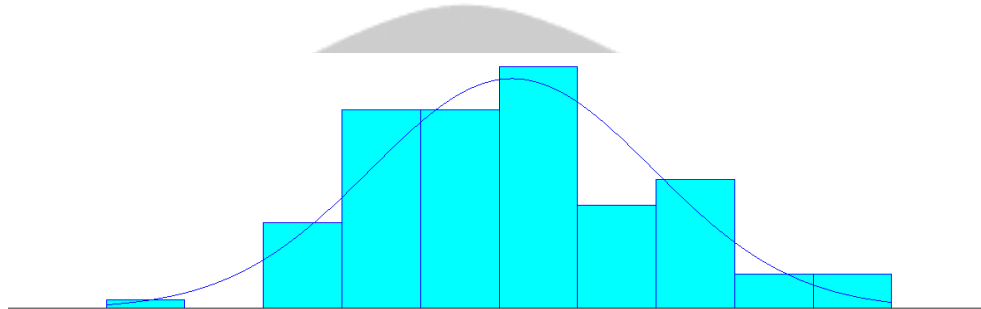
Data Summary

Number of Data Points = 120  
 Min Data Value = 619  
 Max Data Value = 1.15e+003  
 Sample Mean = 881  
 Sample Std Dev = 116

Histogram Summary

Histogram Range = 619 to 1.15e+003  
 Number of Intervals = 10

**Lampiran 6. Distribusi Data Permintaan Produk AS  
Nominal 10**



Distribution Summary

Distribution : Normal  
 Expression : NORM(688, 64.7)  
 Square Error : 0.009472

Chi Square Test

Number of intervals = 6  
 Degrees of freedom = 3  
 Test Statistic = 8.32  
 Corresponding p-value = 0.0417

Kolmogorov-Smirnov Test

Test Statistic = 0.0674  
 Corresponding p-value > 0.15

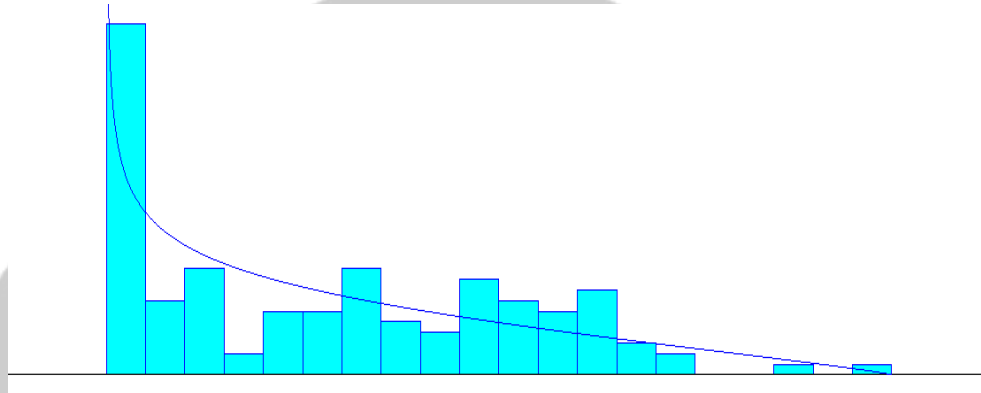
Data Summary

Number of Data Points = 120  
 Min Data Value = 502  
 Max Data Value = 862  
 Sample Mean = 688  
 Sample Std Dev = 64.9

Histogram Summary

Histogram Range = 502 to 862  
 Number of Intervals = 10

Lampiran 7. Distribusi Data Permintaan Produk AS  
Nominal 15



Distribution Summary

Distribution : Beta  
 Expression :  $-0.5 + 20 * \text{BETA}(0.743, 1.84)$   
 Square Error : 0.022243

Chi Square Test

Number of intervals = 8  
 Degrees of freedom = 5  
 Test Statistic = 21.5  
 Corresponding p-value < 0.005

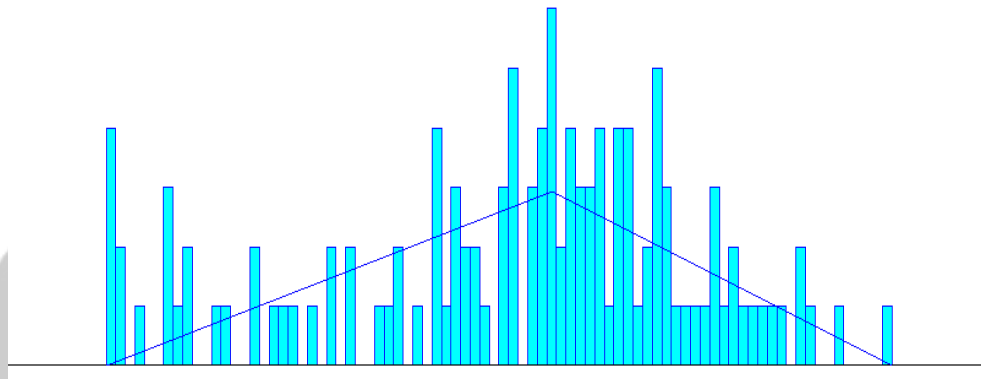
Data Summary

Number of Data Points = 120  
 Min Data Value = 0  
 Max Data Value = 19  
 Sample Mean = 5.25  
 Sample Std Dev = 4.78

Histogram Summary

Histogram Range = -0.5 to 19.5  
 Number of Intervals = 20

Lampiran 8. Distribusi Data Permintaan Produk AS  
Nominal 25



Distribution Summary

Distribution : Triangular  
 Expression : TRIA(-0.5, 46, 81.5)  
 Square Error : 0.008963

Chi Square Test

Number of intervals = 10  
 Degrees of freedom = 8  
 Test Statistic = 16.8  
 Corresponding p-value = 0.0339

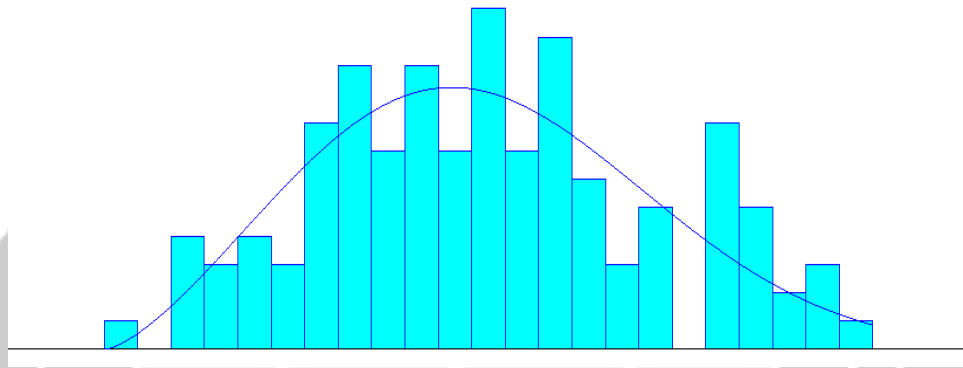
Data Summary

Number of Data Points = 120  
 Min Data Value = 0  
 Max Data Value = 81  
 Sample Mean = 42  
 Sample Std Dev = 19.5

Histogram Summary

Histogram Range = -0.5 to 81.5  
 Number of Intervals = 82

Lampiran 9. Distribusi Data Permintaan Produk AS  
Nominal 50



Distribution Summary

Distribution : Weibull  
 Expression : 5.5 + WEIB(12.9, 2.44)  
 Square Error : 0.007430

Chi Square Test

Number of intervals = 8  
 Degrees of freedom = 5  
 Test Statistic = 3.65  
 Corresponding p-value = 0.605

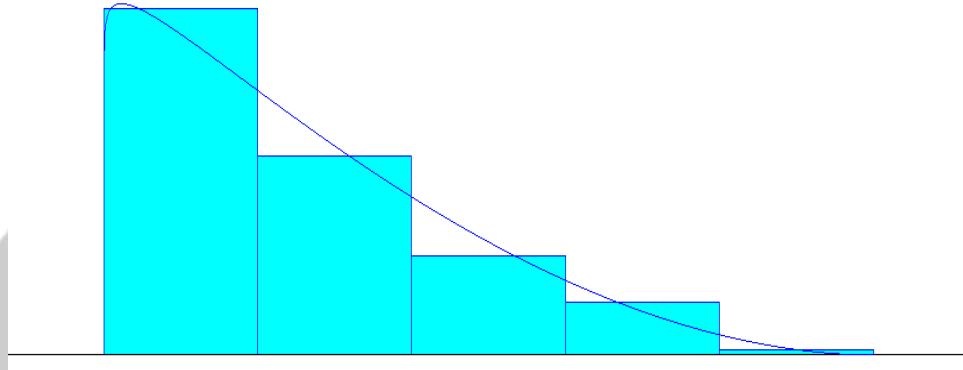
Data Summary

Number of Data Points = 120  
 Min Data Value = 6  
 Max Data Value = 28  
 Sample Mean = 16.9  
 Sample Std Dev = 5.01

Histogram Summary

Histogram Range = 5.5 to 28.5  
 Number of Intervals = 23

Lampiran 10. Distribusi Data Permintaan Produk AS  
Nominal 100



Distribution Summary

Distribution : Beta  
 Expression :  $-0.5 + 5 * \text{BETA}(1.04, 2.9)$   
 Square Error : 0.002586

Chi Square Test

Number of intervals = 3  
 Degrees of freedom = 0  
 Test Statistic = 0.945  
 Corresponding p-value < 0.005

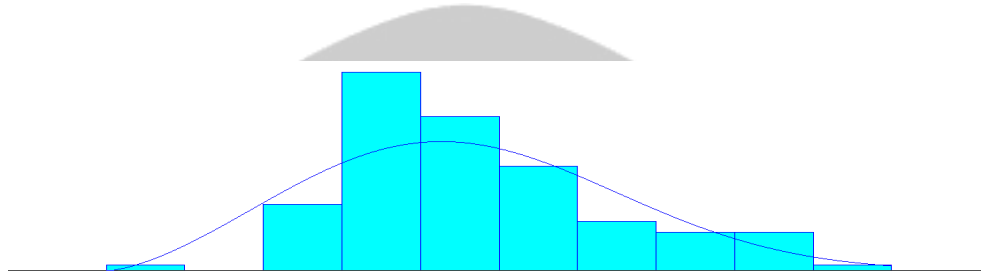
Data Summary

Number of Data Points = 120  
 Min Data Value = 0  
 Max Data Value = 4  
 Sample Mean = 0.825  
 Sample Std Dev = 0.993

Histogram Summary

Histogram Range = -0.5 to 4.5  
 Number of Intervals = 5

**Lampiran 11. Distribusi Data Permintaan Produk Simpati  
Nominal 5**



Distribution Summary

Distribution : Weibull  
 Expression :  $766 + WEIB(640, 2.52)$   
 Square Error : 0.024458

Chi Square Test

Number of intervals = 7  
 Degrees of freedom = 4  
 Test Statistic = 21.9  
 Corresponding p-value < 0.005

Kolmogorov-Smirnov Test

Test Statistic = 0.134  
 Corresponding p-value = 0.0248

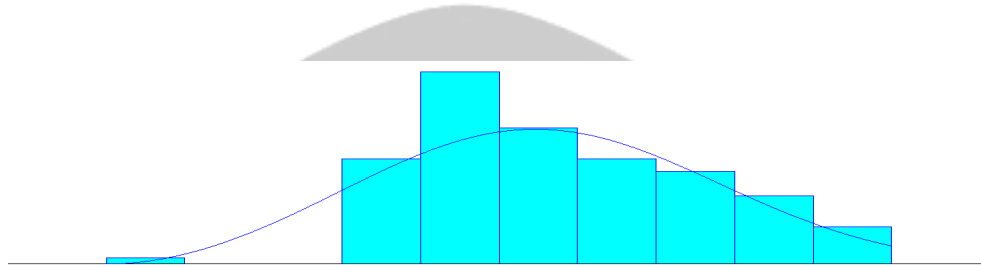
Data Summary

Number of Data Points = 120  
 Min Data Value = 766  
 Max Data Value =  $2e+003$   
 Sample Mean =  $1.35e+003$   
 Sample Std Dev = 213

Histogram Summary

Histogram Range = 766 to  $2e+003$   
 Number of Intervals = 10

**Lampiran 12. Distribusi Data Permintaan Produk Simpati  
Nominal 10**



**Distribution Summary**

Distribution : Weibull  
 Expression :  $1.25e+003 + WEIB(715, 2.91)$   
 Square Error : 0.016182

**Chi Square Test**

Number of intervals = 7  
 Degrees of freedom = 4  
 Test Statistic = 18.8  
 Corresponding p-value < 0.005

**Kolmogorov-Smirnov Test**

Test Statistic = 0.118  
 Corresponding p-value = 0.069

**Data Summary**

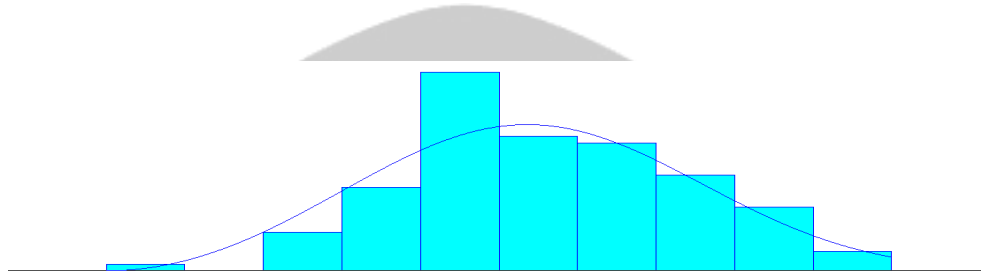
Number of Data Points = 120  
 Min Data Value =  $1.25e+003$   
 Max Data Value =  $2.38e+003$   
 Sample Mean =  $1.91e+003$   
 Sample Std Dev = 206

**Histogram Summary**

Histogram Range =  $1.25e+003$  to  $2.38e+003$   
 Number of Intervals = 10



**Lampiran 13. Distribusi Data Permintaan Produk Simpati  
Nominal 20**



Distribution Summary

Distribution : Weibull  
 Expression : 619 + WEIB(342, 2.98)  
 Square Error : 0.009624

Chi Square Test

Number of intervals = 7  
 Degrees of freedom = 4  
 Test Statistic = 8.58  
 Corresponding p-value = 0.0764

Kolmogorov-Smirnov Test

Test Statistic = 0.107  
 Corresponding p-value = 0.124

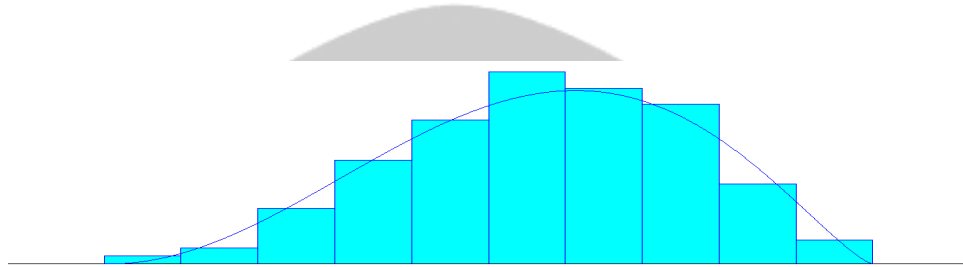
Data Summary

Number of Data Points = 120  
 Min Data Value = 619  
 Max Data Value = 1.18e+003  
 Sample Mean = 934  
 Sample Std Dev = 97.7

Histogram Summary

Histogram Range = 619 to 1.18e+003  
 Number of Intervals = 10

**Lampiran 14. Distribusi Data Permintaan Produk Simpati  
Nominal 50**



Distribution Summary

Distribution : Beta  
 Expression :  $81 + 120 * \text{BETA}(3.18, 2.38)$   
 Square Error : 0.001266

Chi Square Test

Number of intervals = 7  
 Degrees of freedom = 4  
 Test Statistic = 1.42  
 Corresponding p-value > 0.75

Kolmogorov-Smirnov Test

Test Statistic = 0.0646  
 Corresponding p-value > 0.15

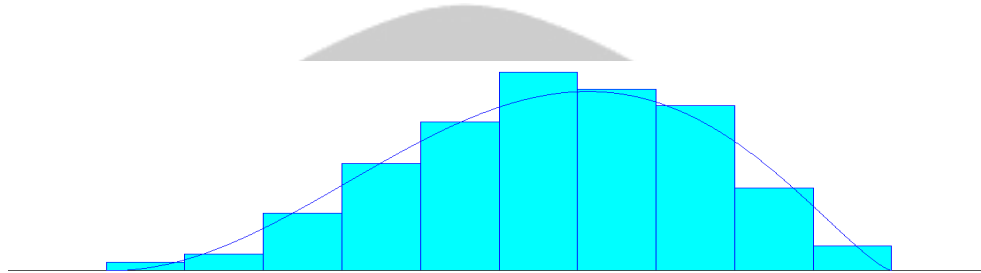
Data Summary

Number of Data Points = 120  
 Min Data Value = 81  
 Max Data Value = 201  
 Sample Mean = 150  
 Sample Std Dev = 23.2

Histogram Summary

Histogram Range = 81 to 201  
 Number of Intervals = 10

Lampiran 15. Distribusi Data Permintaan Produk Simpati  
Nominal 100



Distribution Summary

Distribution : Beta  
 Expression :  $81 + 120 * \text{BETA}(3.18, 2.38)$   
 Square Error : 0.001266

Chi Square Test

Number of intervals = 7  
 Degrees of freedom = 4  
 Test Statistic = 1.42  
 Corresponding p-value > 0.75

Kolmogorov-Smirnov Test

Test Statistic = 0.0646  
 Corresponding p-value > 0.15

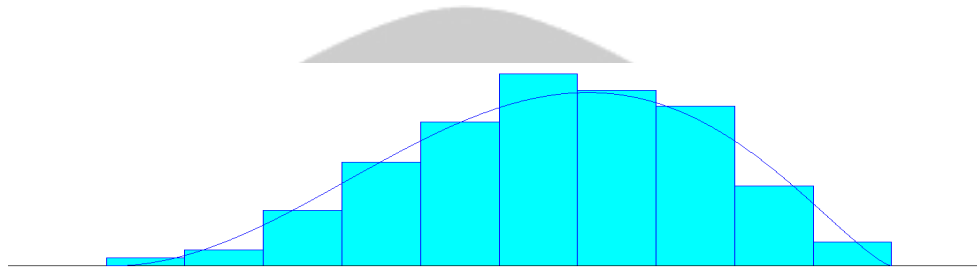
Data Summary

Number of Data Points = 120  
 Min Data Value = 81  
 Max Data Value = 201  
 Sample Mean = 150  
 Sample Std Dev = 23.2

Histogram Summary

Histogram Range = 81 to 201  
 Number of Intervals = 10

Lampiran 16. Distribusi Data Permintaan Produk IM3  
Nominal 5



Distribution Summary

Distribution : Beta  
 Expression :  $81 + 120 * \text{BETA}(3.18, 2.38)$   
 Square Error : 0.001266

Chi Square Test

Number of intervals = 7  
 Degrees of freedom = 4  
 Test Statistic = 1.42  
 Corresponding p-value > 0.75

Kolmogorov-Smirnov Test

Test Statistic = 0.0646  
 Corresponding p-value > 0.15

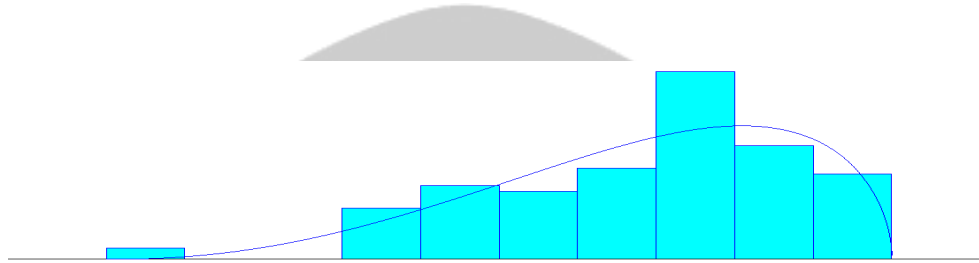
Data Summary

Number of Data Points = 120  
 Min Data Value = 81  
 Max Data Value = 201  
 Sample Mean = 150  
 Sample Std Dev = 23.2

Histogram Summary

Histogram Range = 81 to 201  
 Number of Intervals = 10

Lampiran 17. Distribusi Data Permintaan Produk IM3  
Nominal 10



Distribution Summary

Distribution : Beta  
 Expression :  $563 + 716 * \text{BETA}(3.28, 1.54)$   
 Square Error : 0.011451

Chi Square Test

Number of intervals = 7  
 Degrees of freedom = 4  
 Test Statistic = 6.87  
 Corresponding p-value = 0.157

Kolmogorov-Smirnov Test

Test Statistic = 0.0653  
 Corresponding p-value > 0.15

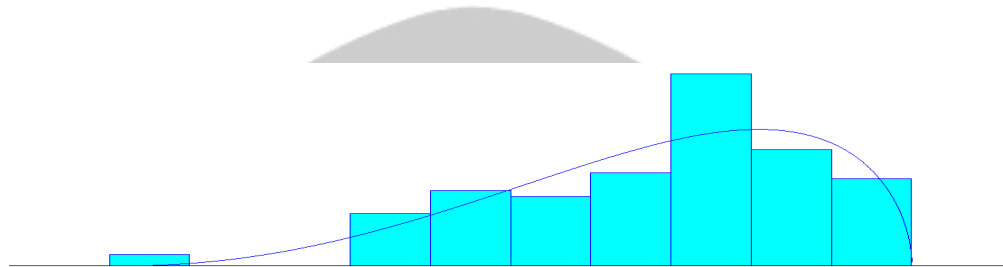
Data Summary

Number of Data Points = 120  
 Min Data Value = 563  
 Max Data Value = 1.28e+003  
 Sample Mean = 1.05e+003  
 Sample Std Dev = 138

Histogram Summary

Histogram Range = 563 to 1.28e+003  
 Number of Intervals = 10

Lampiran 18. Distribusi Data Permintaan Produk IM3  
Nominal 20



Distribution Summary

Distribution : Beta  
 Expression :  $563 + 716 * \text{BETA}(3.28, 1.54)$   
 Square Error : 0.011451

Chi Square Test

Number of intervals = 7  
 Degrees of freedom = 4  
 Test Statistic = 6.87  
 Corresponding p-value = 0.157

Kolmogorov-Smirnov Test

Test Statistic = 0.0653  
 Corresponding p-value > 0.15

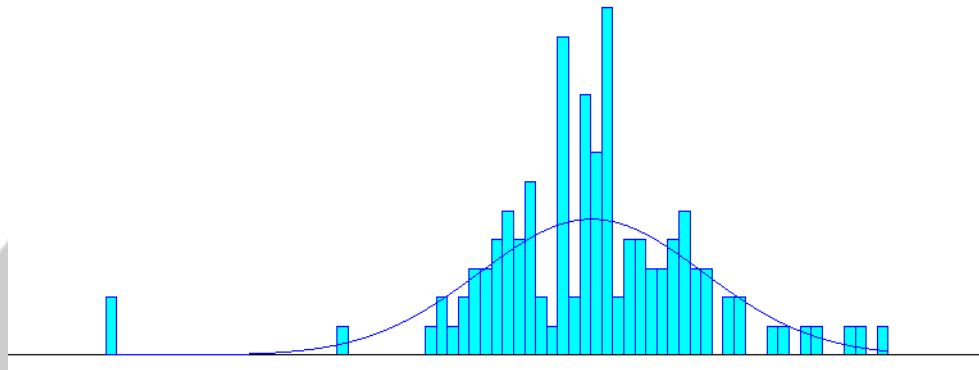
Data Summary

Number of Data Points = 120  
 Min Data Value = 563  
 Max Data Value = 1.28e+003  
 Sample Mean = 1.05e+003  
 Sample Std Dev = 138

Histogram Summary

Histogram Range = 563 to 1.28e+003  
 Number of Intervals = 10

Lampiran 19. Distribusi Data Permintaan Produk IM3  
Nominal 25



Distribution Summary

Distribution : Normal  
Expression : NORM(43.5, 10.2)  
Square Error : 0.013164

Chi Square Test

Number of intervals = 10  
Degrees of freedom = 7  
Test Statistic = 17.1  
Corresponding p-value = 0.0182

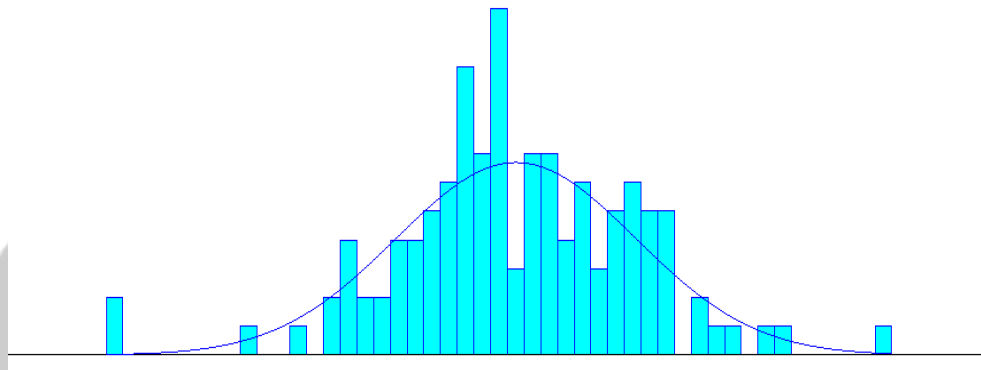
Data Summary

Number of Data Points = 120  
Min Data Value = 0  
Max Data Value = 70  
Sample Mean = 43.5  
Sample Std Dev = 10.2

Histogram Summary

Histogram Range = -0.5 to 70.5  
Number of Intervals = 71

Lampiran 20. Distribusi Data Permintaan Produk IM3  
Nominal 50



Distribution Summary

Distribution : Normal  
Expression : NORM(24, 7.17)  
Square Error : 0.007076

Chi Square Test

Number of intervals = 9  
Degrees of freedom = 6  
Test Statistic = 3.09  
Corresponding p-value > 0.75

Data Summary

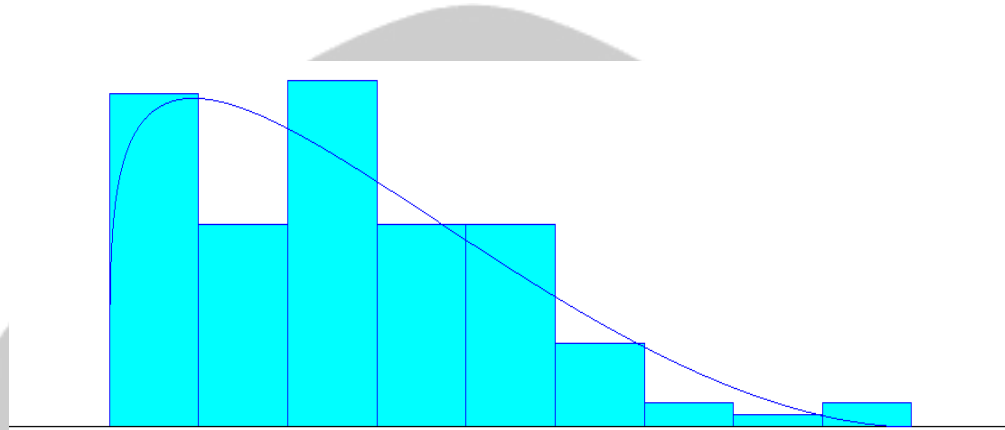
Number of Data Points = 120  
Min Data Value = 0  
Max Data Value = 46  
Sample Mean = 24  
Sample Std Dev = 7.2

Histogram Summary

Histogram Range = -0.5 to 46.5  
Number of Intervals = 47



Lampiran 21. Distribusi Data Permintaan Produk IM3  
Nominal 100



Distribution Summary

Distribution : Beta  
 Expression :  $-0.5 + 9 * \text{BETA}(1.21, 2.83)$   
 Square Error : 0.011678

Chi Square Test

Number of intervals = 6  
 Degrees of freedom = 3  
 Test Statistic = 9.16  
 Corresponding p-value = 0.0281

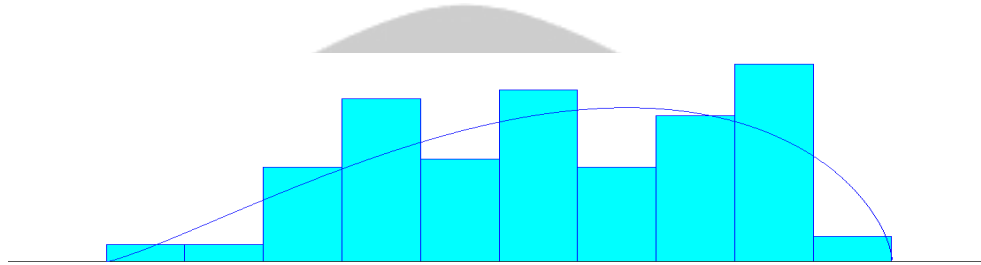
Data Summary

Number of Data Points = 120  
 Min Data Value = 0  
 Max Data Value = 8  
 Sample Mean = 2.2  
 Sample Std Dev = 1.84

Histogram Summary

Histogram Range = -0.5 to 8.5  
 Number of Intervals = 9

**Lampiran 22. Distribusi Data Permintaan Produk Mentari  
Nominal 5**



Distribution Summary

Distribution : Beta  
 Expression :  $144 + 346 * \text{BETA}(2.2, 1.61)$   
 Square Error : 0.015266

Chi Square Test

Number of intervals = 7  
 Degrees of freedom = 4  
 Test Statistic = 12.7  
 Corresponding p-value = 0.0141

Kolmogorov-Smirnov Test

Test Statistic = 0.0617  
 Corresponding p-value > 0.15

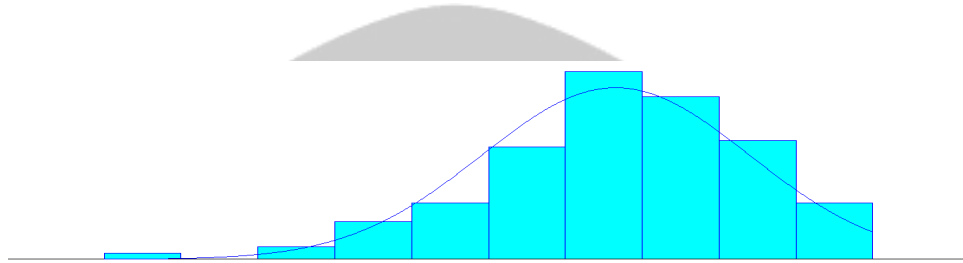
Data Summary

Number of Data Points = 120  
 Min Data Value = 144  
 Max Data Value = 490  
 Sample Mean = 344  
 Sample Std Dev = 77.9

Histogram Summary

Histogram Range = 144 to 490  
 Number of Intervals = 10

**Lampiran 23. Distribusi Data Permintaan Produk Mentari  
Nominal 10**



Distribution Summary

Distribution : Normal  
 Expression : NORM(306, 41.1)  
 Square Error : 0.004069

Chi Square Test

Number of intervals = 5  
 Degrees of freedom = 2  
 Test Statistic = 3.31  
 Corresponding p-value = 0.206

Kolmogorov-Smirnov Test

Test Statistic = 0.0693  
 Corresponding p-value > 0.15

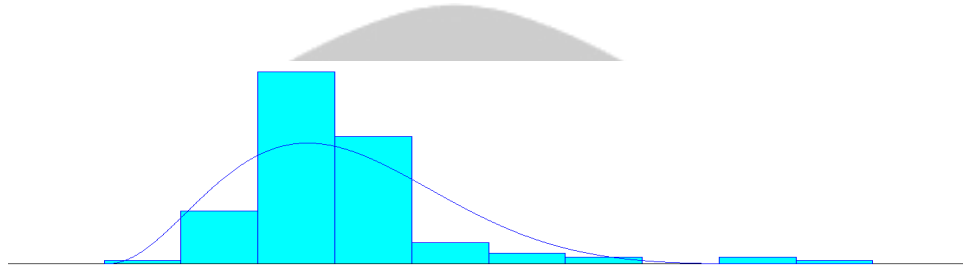
Data Summary

Number of Data Points = 120  
 Min Data Value = 149  
 Max Data Value = 385  
 Sample Mean = 306  
 Sample Std Dev = 41.3

Histogram Summary

Histogram Range = 149 to 385  
 Number of Intervals = 10

**Lampiran 24. Distribusi Data Permintaan Produk Mentari  
Nominal 20**



Distribution Summary

Distribution : Beta  
 Expression :  $22 + 161 * \text{BETA}(3.32, 7.47)$   
 Square Error : 0.050431

Chi Square Test

Number of intervals = 5  
 Degrees of freedom = 2  
 Test Statistic = 30.9  
 Corresponding p-value < 0.005

Kolmogorov-Smirnov Test

Test Statistic = 0.152  
 Corresponding p-value < 0.01

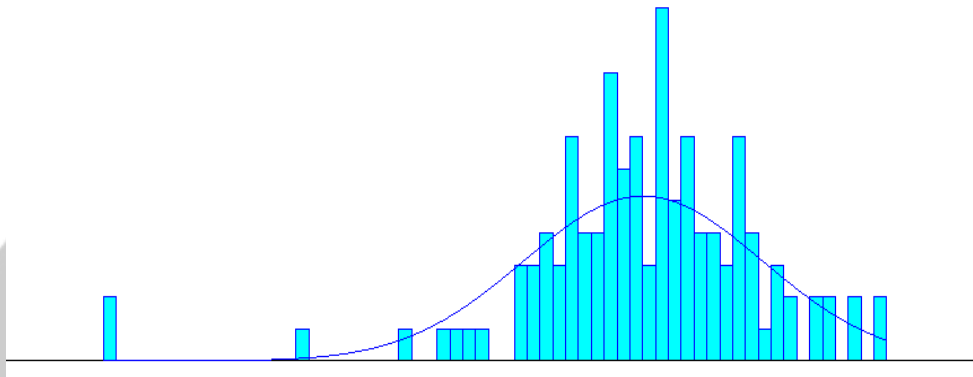
Data Summary

Number of Data Points = 120  
 Min Data Value = 22  
 Max Data Value = 183  
 Sample Mean = 71.6  
 Sample Std Dev = 21.6

Histogram Summary

Histogram Range = 22 to 183  
 Number of Intervals = 10

Lampiran 25. Distribusi Data Permintaan Produk Mentari  
Nominal 25



Distribution Summary

Distribution : Normal  
 Expression : NORM(41.5, 9.3)  
 Square Error : 0.008634

Chi Square Test

Number of intervals = 9  
 Degrees of freedom = 6  
 Test Statistic = 8.02  
 Corresponding p-value = 0.24

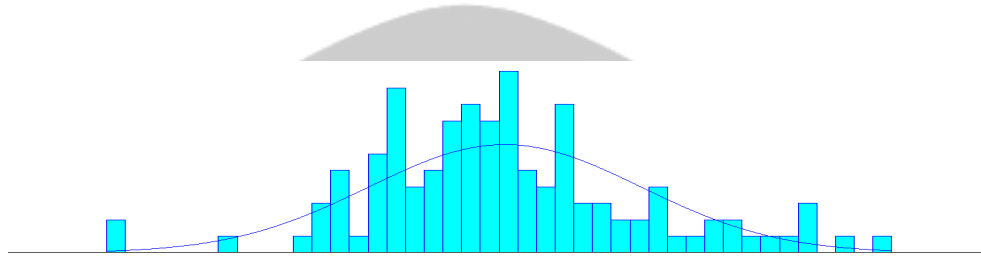
Data Summary

Number of Data Points = 120  
 Min Data Value = 0  
 Max Data Value = 60  
 Sample Mean = 41.5  
 Sample Std Dev = 9.34

Histogram Summary

Histogram Range = -0.5 to 60.5  
 Number of Intervals = 61

**Lampiran 26. Distribusi Data Permintaan Produk Mentari  
Nominal 50**



Distribution Summary

Distribution : Normal  
 Expression : NORM(20.8, 7.29)  
 Square Error : 0.009724

Chi Square Test

Number of intervals = 10  
 Degrees of freedom = 7  
 Test Statistic = 10.3  
 Corresponding p-value = 0.186

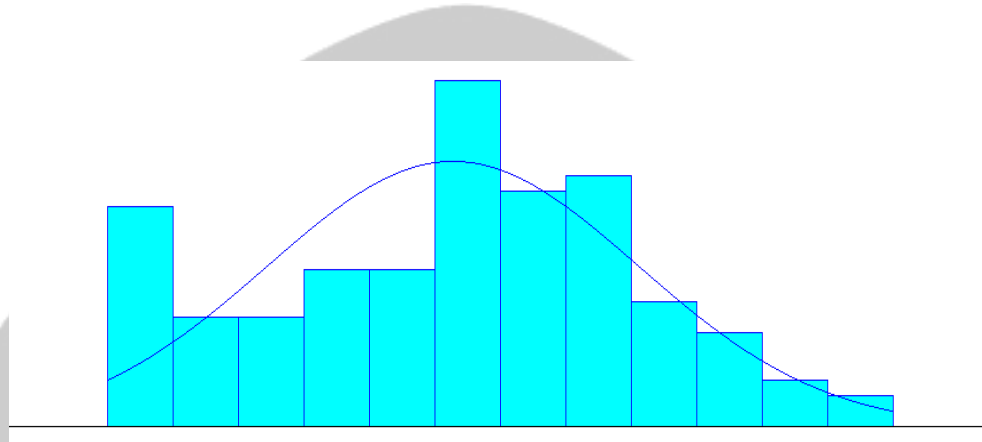
Data Summary

Number of Data Points = 120  
 Min Data Value = 0  
 Max Data Value = 41  
 Sample Mean = 20.8  
 Sample Std Dev = 7.33

Histogram Summary

Histogram Range = -0.5 to 41.5  
 Number of Intervals = 42

Lampiran 27. Distribusi Data Permintaan Produk Mentari  
Nominal 100



Distribution Summary

Distribution : Normal  
 Expression : NORM(4.78, 2.83)  
 Square Error : 0.014201

Chi Square Test

Number of intervals = 8  
 Degrees of freedom = 5  
 Test Statistic = 16.1  
 Corresponding p-value = 0.0069

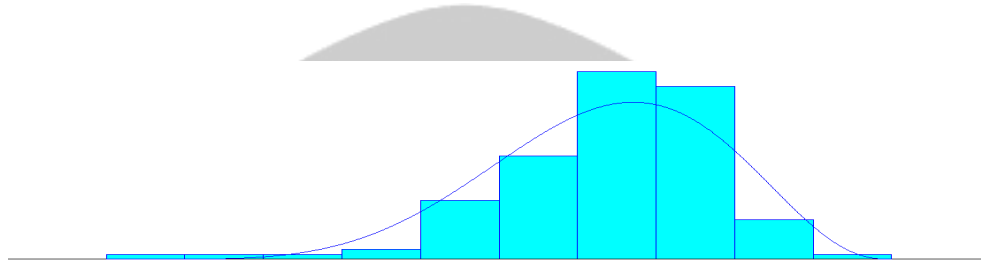
Data Summary

Number of Data Points = 120  
 Min Data Value = 0  
 Max Data Value = 11  
 Sample Mean = 4.78  
 Sample Std Dev = 2.84

Histogram Summary

Histogram Range = -0.5 to 11.5  
 Number of Intervals = 12

Lampiran 28. Distribusi Data Permintaan Produk XL  
Nominal 5



Distribution Summary

Distribution : Beta  
 Expression :  $1.46e+003 + 2.92e+003 * \text{BETA}(6.38, 3.65)$   
 Square Error : 0.012618

Chi Square Test

Number of intervals = 5  
 Degrees of freedom = 2  
 Test Statistic = 11.4  
 Corresponding p-value < 0.005

Kolmogorov-Smirnov Test

Test Statistic = 0.123  
 Corresponding p-value = 0.0496

Data Summary

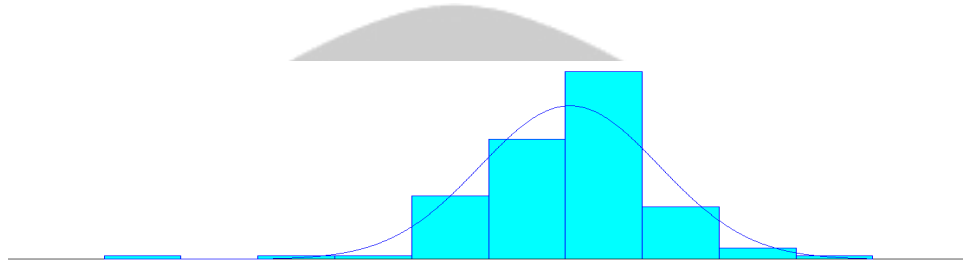
Number of Data Points = 120  
 Min Data Value =  $1.46e+003$   
 Max Data Value =  $4.38e+003$   
 Sample Mean =  $3.32e+003$   
 Sample Std Dev = 423

Histogram Summary

Histogram Range =  $1.46e+003$  to  $4.38e+003$   
 Number of Intervals = 10



Lampiran 29. Distribusi Data Permintaan Produk XL  
Nominal 10



Distribution Summary

Distribution : Normal  
 Expression : NORM(1.62e+003, 206)  
 Square Error : 0.015595

Chi Square Test

Number of intervals = 4  
 Degrees of freedom = 1  
 Test Statistic = 8.51  
 Corresponding p-value < 0.005

Kolmogorov-Smirnov Test

Test Statistic = 0.081  
 Corresponding p-value > 0.15

Data Summary

Number of Data Points = 120  
 Min Data Value = 556  
 Max Data Value = 2.32e+003  
 Sample Mean = 1.62e+003  
 Sample Std Dev = 207

Histogram Summary

Histogram Range = 556 to 2.32e+003  
 Number of Intervals = 10