

Lampiran 1. Algoritma Silver Meal Feed Wheat

P	D (kg)	Kombinasi Periode	Kumulatif Demand (kg)	Holding Cost (Rp)	Cumulative HC (Rp)	Total cost (Rp)	Total Cost Period (Rp)	Kapasitas Maksimal 900 ton	Penyusutan (Periode>9)
4	38.023	1	38.023	0	0	9.362.880	9.362.880		
5	82.422	1.2	113.026	1.205.248	1.205.248	10.568.128	5.284.064		
6	76.230	1.2.3	189.256	2.229.394	3.434.642	12.797.522	4.265.841		
7	76.230	1.2.3.4	265.486	3.344.091	6.778.732	16.141.612	4.035.403		
8	63.220	1.2.3.4.5	328.706	3.697.836	10.476.568	19.839.448	3.967.890	Kapasitas < 900 ton	Periode < 9 (belum ada penyusutan)
9	65.372	1.2.3.4.5.6	382.193	4.779.608	15.256.177	24.619.057	4.103.176		
9	65.372	1	65.372	0	0	9.362.880	9.362.880		
10	90.505	1.2	155.877	1.323.445	1.323.445	10.686.325	5.343.162		
11	85.123	1.2.3	240.999	2.489.476	3.812.921	13.175.801	4.391.933		
12	88.778	1.2.3.4	329.777	3.894.555	7.707.475	17.070.355	3.267.588	Kapasitas < 900 ton	Periode < 9 (belum ada penyusutan)
13	87.379	1.2.3.4.5	417.155	5.110.910	12.818.386	22.181.266	4.436.253		
13	87.379	1	87.379	0	0	9.362.880	9.362.880		
14	79.989	1.2	167.367	1.169.664	1.169.664	10.532.544	5.266.272		
15	84.083	1.2.3	251.450	2.459.061	3.628.725	12.991.605	4.330.535		
16	80.965	1.2.3.4	332.415	3.551.826	7.180.552	16.543.432	4.135.858	Kapasitas < 900 ton	Periode < 9 (belum ada penyusutan)
17	80.039	1.2.3.4.5	412.453	4.681.582	11.862.134	21.225.014	4.245.003		
17	80.039	1	80.039	0	0	9.362.880	9.362.880		
18	94.756	1.2	174.794	1.385.599	1.385.599	10.748.479	5.374.240		
19	104.661	1.2.3	279.455	3.060.878	4.446.477	13.809.357	4.603.119		
20	80.039	1.2.3.4	359.493	3.511.187	7.957.663	17.320.543	4.330.136	Kapasitas < 900 ton	Periode < 9 (belum ada penyusutan)
21	78.800	1.2.3.4.5	438.293	4.609.134	12.566.798	21.929.678	4.385.936		
21	78.800	1	78.800	0	0	9.362.880	9.362.880		
22	95.775	1.2	174.575	1.400.507	1.400.507	10.763.387	5.381.694		
23	86.494	1.2.3	261.069	2.529.584	3.930.091	13.292.971	4.430.990		
24	80.974	1.2.3.4	342.043	3.552.204	7.482.295	16.845.175	4.211.293		
25	70.266	1.2.3.4.5	412.308	4.109.938	11.592.233	20.955.113	4.191.022	Kapasitas < 900 ton	Periode < 9 (belum ada penyusutan)
26	69.221	1.2.3.4.5.6	481.528	5.061.938	16.653.251	26.016.131	4.336.021		
26	69.221	1	69.221	0	0	9.362.880	9.362.880		
27	73.533	1.2	142.753	1.196.203	1.196.203	10.559.083	5.279.541		
28	73.212	1.2.3.4	215.965	2.385.724	3.581.927	12.944.807	4.314.935	Kapasitas < 900 ton	Periode < 9 (belum ada penyusutan)
29	84.643	1.2.3.4.5	300.608	7.063.732	10.645.660	20.008.540	5.002.135		
29	84.643	1	84.643	0	0	9.362.880	9.362.880		
30	81.804	1.2	166.447	1.196.203	1.196.203	10.559.083	5.279.542		

31	D (kg)	Kombinasi Periode	Kumulatif Demand (kg)	Holding Cost (Rp)	Cumulative HC (Rp)	Total cost (Rp)	Total Cost Period (Rp)	Kapasitas Maksimal 900 ton	Penyusutan (Periode>9)
P	81.575	1.2.3	248.022	2.385.724	3.581.928	12.944.808	4.314.936	Kapasitas < 900 ton	Periode < 9 (belum ada penyusutan)
32	161.020	1.2.3.4	409.042	7.063.732	10.645.660	20.008.540	5.002.135		
32	161.020	1	161.020	0	0	9.362.880	9.362.880		
33	94.264	1.2	255.284	1.378.406	1.378.406	10.741.286	5.370.643		
34	86.279	1.2.3	341.562	2.523.285	3.901.691	13.264.571	4.421.524		
35	81.958	1.2.3.4	423.520	3.595.371	7.497.061	16.859.941	4.214.985	Kapasitas < 900 ton	Periode < 9 (belum ada penyusutan)
36	83.350	1.2.3.4.5	506.870	4.875.271	12.372.332	21.735.212	4.347.042		
36	83.350	1	83.350	0	0	9.362.880	9.362.880		
37	76.465	1.2	159.815	1.118.139	1.118.139	10.481.019	5.240.510		
38	80.655	1.2.3	240.470	2.358.818	3.476.957	12.839.837	4.279.946	Kapasitas < 900 ton	Periode < 9 (belum ada penyusutan)
39	105.102	1.2.3.4	345.572	4.610.667	8.087.624	17.450.504	4.362.626		
39	105.102	1	105.102	0	0	9.362.880	9.362.880		
40	85.160	1.2	190.262	1.245.285	1.245.285	10.608.165	5.304.083		
41	89.203	1.2.3	279.464	2.608.799	3.854.085	13.216.965	4.405.655		
42	84.485	1.2.3.4	363.949	3.706.249	7.560.333	16.923.213	4.230.803	Kapasitas < 900 ton	Periode < 9 (belum ada penyusutan)
43	78.297	1.2.3.4.5	442.246	4.579.719	12.140.052	21.502.932	4.300.586		
43	78.297	1	78.297	0	0	9.362.880	9.362.880		
44	73.139	1.2	151.436	1.069.503	1.069.503	10.432.383	5.216.192		
45	65.255	1.2.3	216.691	1.908.419	2.977.922	12.340.802	4.113.601		
46	63.462	1.2.3.4	280.152	2.783.971	5.761.893	15.124.773	3.781.193	Kapasitas < 900 ton	Periode < 9 (belum ada penyusutan)
47	86.879	1.2.3.4.5	367.031	5.081.688	10.843.581	20.206.461	4.041.292		
47	86.879	1	86.879	0	0	9.362.880	9.362.880		
48	77.330	1.2	164.209	1.130.788	1.130.788	10.493.668	5.246.834		
49	134.263	1.2.3	298.472	3.926.611	5.057.399	14.420.279	4.806.760		
50	92.332	1.2.3.4	390.804	4.050.482	9.107.881	18.470.761	4.617.690		
51	62.141	1.2.3.4.5	452.945	3.634.729	12.742.610	22.105.490	4.421.098	Kapasitas < 900 ton	Periode < 9 (belum ada penyusutan)
Total						203.252.490			

Keterangan : Warna abu abu adalah periode *lot sizing* yang terpilih tanpa ada permasalahan batasan kapasitas dan penyusutan

Lampiran 2. Algoritma Silver Meal Tepung Gapelek

P	D (kg)	Kombinasi Periode	Kumulatif Demand (kg)	Holding Cost (Rp)	Cumulative HC (Rp)	Total cost (Rp)	Total Cost Period (Rp)	Kapasitas Maksimal 300 ton	Penyusutan (Periode>9)
52	30.939	1	30.939	0	0	1.507.880	1.507.880		
1	59.859	1.2	85.147	361.275	361.275	1.869.155	934.577		
2	53.295	1.2.3	138.442	643.319	1.004.594	2.512.474	837.491	Kapasitas < 300 ton	Periode < 9 (belum ada penyusutan)
3	57.460	1.2.3.4	57.460	1.040.392	2.044.985	3.552.865	888.216		
3	57.460	1	57.460	0	0	1.507.880	1.507.880		
4	48.034	1.2	105.494	289.904	289.904	1.797.784	898.892		
5	47.379	1.2.3	152.873	571.908	861.812	2.369.692	789.897	Kapasitas < 300 ton	Periode < 9 (belum ada penyusutan)
6	49.106	1.2.3.4	201.979	889.135	1.750.947	3.258.827	814.707		
6	49.106	1	49.106	0	0	1.507.880	1.507.880		
7	49.106	1.2	98.212	296.378	296.378	1.804.258	902.129		
8	58.820	1.2.3	157.032	710.011	1.006.389	2.514.269	838.090	Kapasitas < 300 ton	Periode < 9 (belum ada penyusutan)
9	62.145	1.2.3.4	219.178	1.125.224	2.131.613	3.639.493	909.873		
9	62.145	1	62.145	0	0	1.507.880	1.507.880		
10	58.820	1.2	120.965	355.005	355.005	1.862.885	931.443		
11	55.362	1.2.3	176.327	668.272	1.023.278	2.531.158	843.719	Kapasitas < 300 ton	Periode < 9 (belum ada penyusutan)
12	55.362	1.2.3.4	231.690	1.002.408	2.025.686	3.533.566	883.391		
12	55.362	1	55.362	0	0	1.507.880	1.507.880		
13	55.039	1.2	110.401	332.187	332.187	1.840.067	920.033		
14	53.339	1.2.3	163.741	643.853	976.039	2.483.919	827.973	Kapasitas < 300 ton	Periode < 9 (belum ada penyusutan)
15	56.382	1.2.3.4	220.123	1.020.877	1.996.916	3.504.796	876.199		
15	56.382	1	56.382	0	0	1.507.880	1.507.880		
16	56.950	1.2	113.332	343.719	343.719	1.851.599	925.800		
17	50.789	1.2.3	164.121	613.072	956.791	2.464.671	821.557	Kapasitas < 300 ton	Periode < 9 (belum ada penyusutan)
18	54.749	1.2.3.4	218.870	991.296	1.948.087	3.455.967	863.992		
18	54.749	1	54.749	0	0	1.507.880	1.507.880		
19	69.794	1.2	124.542	421.236	421.236	1.929.116	964.558		
20	50.789	1.2.3	175.331	613.072	1.034.307	2.542.187	847.396	Kapasitas < 300 ton	Periode < 9 (belum ada penyusutan)
21	56.100	1.2.3.4	231.431	1.015.767	2.050.075	3.557.955	889.489		
21	56.100	1	56.100	0	0	1.507.880	1.507.880		
22	55.930	1.2	112.030	337.563	337.563	1.845.443	922.722		
23	41.718	1.2.3	153.748	503.574	841.137	2.349.017	783.006	Kapasitas < 300 ton	Periode < 9 (belum ada penyusutan)
24	50.789	1.2.3.4	204.537	919.608	1.760.745	3.268.625	817.156		

P	D (kg)	Kombina si Periode	Kumula tif Demand (kg)	Holding Cost (Rp)	Cumulative HC (Rp)	Total cost (Rp)	Total Cost Period (Rp)	Kapasitas Maksimal 300 ton	Penyusutan (Periode>9)
24	50.789	1	50.789	0	0	1.507.880	1.507.880		
25	48.034	1.2	98.823	289.904	289.904	1.797.784	898.892		
26	46.419	1.2.3	145.241	560.314	850.218	2.358.098	786.033		
27	40.997	1.2.3.4	186.238	742.310	1.592.528	3.100.408	775.102	Kapasitas < 300 ton	Periode < 9 (belum ada penyusutan)
28	47.464	1.2.3.4.5	233.702	1.145.867	2.738.395	4.246.275	849.255		
28	47.464	1	47.464	0	0	1.507.880	1.507.880		
29	61.321	1.2	108.785	370.098	370.098	1.877.978	938.989		
30	58.115	1.2.3	166.899	701.495	1.071.593	2.579.473	859.824	Kapasitas < 300 ton	Periode < 9 (belum ada penyusutan)
31	53.295	1.2.3.4	220.194	964.979	2.036.572	3.544.452	886.113		
31	53.295	1	53.295	0	0	1.507.880	1.507.880		
32	160.310	1.2	213.605	967.544	967.544	2.475.424	1.237.712		
33	55.039	1.2.3	268.644	664.373	1.631.917	3.139.797	1.046.599	Optimum Dengan batasan kapasitas	Periode < 9 (belum ada penyusutan)
34	53.339	1.2.3.4	321.983	965.779	2.597.696	4.105.576	1.026.394	Kapasitas > 300 ton	Periode < 9 (belum ada penyusutan)
34	53.339	1	109.721	0	0	1.507.880	1.507.880		
35	56.382	1.2	166.104	340,292	340,292	1,848,172	924,086		
36	55.250	1.2.3	55.250	666,917	1,007,210	2,515,090	838,363	Kapasitas < 300 ton	Periode < 9 (belum ada penyusutan)
37	55.250	1.2.3.4	110.500	1,000,376	2,007,586	3,515,466	878,866		
37	55.250	1	176.035	0	0	1,507,880	1,507,880		
38	65.535	1.2	241.570	395,534	395,534	1,903,414	951,707		
39	82.035	1.2.3	82.035	990,240	1,385,773	2,893,653	964,551	Kapasitas < 300 ton	Periode < 9 (belum ada penyusutan)
40	55.420	1.2.3.4	137.455	1,003,455	2,389,228	3,897,108	974,277		
40	55.420	1	192.817	0	0	1,507,880	1,507,880		
41	55.362	1.2	248.180	334,136	334,136	1,842,016	921,008		
42	55.362	1.2.3	55.362	668,272	1,002,408	2,510,288	836,763		
43	37.589	1.2.3.4	92.951	680,595	1,683,003	3,190,883	797,721	Kapasitas < 300 ton	Periode < 9 (belum ada penyusutan)
44	36.448	1.2.3.4.5	129.399	879,921	2,562,924	4,070,804	814,161		
44	36.448	1	39.304	0	2,562,924	4,070,804	4,070,804		
45	39.304	1.2	78.608	237,218	237,218	1,745,098	872,549		
46	36.533	1.2.3	115.141	440,987	678,204	2,186,084	728,695		
47	36.533	1.2.3.4	151.674	661,480	1,339,684	2,847,564	711,891	Kapasitas < 300 ton	Periode < 9 (belum ada penyusutan)
48	40.035	1.2.3.4.5	191.709	966,518	2,306,202	3,814,082	762,816		
48	40.035	1	231.744	0	0	1,507,880	1,507,880		
49	39.772	1.2	39.772	240,039	240,039	1,747,919	873,960		

P	D (kg)	Kombina si Periode	Kumula tif Demand (kg)	Holding Cost (Rp)	Cumulative HC (Rp)	Total cost (Rp)	Total Cost Period (Rp)	Kapasitas Maksimal 300 ton	Penyusutan (Periode>9)
50	89.624	1.2.3	129.396	1,081,843	1,321,882	2,829,762	943,254		
51	47.432	1.2.3.4	176.827	858.816	2.180.698	3.688.578	922.145	Kapasitas < 300 ton	Periode < 9 (belum ada penyusutan)
Total						43.722.834			

Keterangan : Warna hijau adalah periode *lot size* yang terpilih dengan kapasitas yang mencukupi,

Warna ungu adalah periode *lot size* dengan biaya minimal namun tidak terpilih karena batasan kapasitas.

Warna abu abu adalah periode *lot size* yang terpilih tanpa ada permasalahan batasan kapasitas dan penyusutan



Lampiran 3. Algoritma Silver Meal Tepung Industri

P	D (kg)	Kombinasi Periode	Kumulatif Demand (kg)	Holding Cost (Rp)	Cumulative HC (Rp)	Total cost (Rp)	Total Cost Period (Rp)	Kapasitas Maksimal 300 ton	Penyusutan (Periode $\geq$ 9)
52	157.642	1	157.642	0	0	1.467.880	1.467.880		
1	86.249	1.2	234.471	523.349	523.349	1.991.229	995.615	Kapasitas < 300 ton	Periode < 9 (belum ada penyusutan)
2	86.261	1.2.3	320.731	1.046.845	1.570.194	3.038.074	1.012.691		
2	86.261	1	86.261	0	0	1.467.880	1.467.880		
3	122.811	1.2	209.072	745.207	745.207	2.213.087	1.106.544		
4	68.055	1.2.3	277.127	825.905	1.571.112	3.038.992	1.012.997	Kapasitas < 300 ton	Periode < 9 (belum ada penyusutan)
5	68.952	1.2.3.4	346.079	1.255.186	1.255.186	2.723.066	680.766		
5	68.952	1	68.952	0	0	1.467.880	1.467.880		
6	104.169	1.2	173.121	632.089	632.089	2.099.969	1.049.985	Kapasitas < 300 ton	Periode < 9 (belum ada penyusutan)
7	104.169	1.2.3	277.290	1.264.179	1.896.268	3.364.148	1.121.383		
7	104.169	1	104.169	0	0	1.467.880	1.467.880		
8	104.169	1.2	208.338	632.089	632.089	2.099.969	1.049.985	Kapasitas < 300 ton	Periode < 9 (belum ada penyusutan)
9	101.010	1.2.3	309.348	1.225.841	1.857.931	3.325.811	1.108.604		
9	101.010	1	101.010	0	0	1.467.880	1.467.880		
10	94.731	1.2	195.741	574.820	574.820	2.042.700	1.021.350	Kapasitas < 300 ton	Periode < 9 (belum ada penyusutan)
11	98.670	1.2.3	294.411	1.197.444	1.772.264	3.240.144	1.080.048		
11	98.670	1	98.670	0	0	1.467.880	1.467.880		
12	85.371	1.2	184.041	518.024	518.024	1.985.904	992.952	Kapasitas < 300 ton	Periode < 9 (belum ada penyusutan)
13	100.152	1.2.3	284.193	1.215.429	1.733.453	3.201.333	1.067.111		
13	100.152	1	100.152	0	0	1.467.880	1.467.880		
14	86.151	1.2	186.303	522.757	522.757	1.990.637	995.319	Kapasitas < 300 ton	Periode < 9 (belum ada penyusutan)
15	99.411	1.2.3	285.714	1.206.436	1.729.194	3.197.074	1.065.691		
15	99.411	1	99.411	0	0	1.467.880	1.467.880		
16	99.411	1.2	198.822	603.218	603.218	2.071.098	1.035.549	Kapasitas < 300 ton	Periode < 9 (belum ada penyusutan)
17	99.411	1.2.3	298.233	1.206.436	1.809.654	3.277.534	1.092.511		
17	99.411	1	99.411	0	0	1.467.880	1.467.880		
18	175.851	1.2	275.262	1.067.050	1.067.050	2.534.930	1.267.465	Kapasitas < 300 ton	Periode < 9 (belum ada penyusutan)
19	158.555	1.2.3	433.817	1.924.192	2.991.242	4.459.122	1.486.374		
19	158.555	1	158.555	0	0	1.467.880	1.467.880		
20	99.411	1.2	257.966	603.218	603.218	2.071.098	1.035.549	Kapasitas < 300 ton	Periode < 9 (belum ada penyusutan)
21	99.411	1.2.3	357.377	1.206.436	1.809.654	3.277.534	1.092.511		
21	99.411	1	99.411	0	0	1.467.880	1.467.880		

P	D (kg)	Kombinasi Periode	Kumulatif Demand (kg)	Holding Cost (Rp)	Cumulative HC (Rp)	Total cost (Rp)	Total Cost Period (Rp)	Kapasitas Maksimal 300 ton	Penyusutan (Periode ≥ 9)
22	109.161	1.2	208.572	662.380	662.380	2.130.260	1.065.130		
23	80.301	1.2.3	288.873	974.520	1.636.901	3.104.781	1.034.927	Kapasitas < 300 ton	Periode < 9 (belum ada penyusutan)
24	91.221	1.2.3.4	380.094	1.660.565	3.297.466	4.765.346	1.191.337		
24	91.221	1	91.221	0	0	1.467.880	1.467.880		
25	108.089	1.2	199.310	655.872	655.872	2.123.752	1.061.876	Kapasitas < 300 ton	Periode < 9 (belum ada penyusutan)
26	103.799	1.2.3	303.108	1.259.682	1.915.555	3.383.435	1.127.812		
26	103.799	1	103.799	0	0	1.467.880	1.467.880		
27	95.979	1.2	199.778	582.393	582.393	2.050.273	1.025.136	Kapasitas < 300 ton	Periode < 9 (belum ada penyusutan)
28	104.169	1.2.3	303.947	1.264.179	1.846.572	3.314.452	1.104.817		
28	104.169	1	104.169	0	0	1.467.880	1.467.880		
29	128.446	1.2	232.615	779.401	779.401	2.247.281	1.123.640	Kapasitas < 300 ton	Periode < 9 (belum ada penyusutan)
30	154.713	1.2.3	387.328	1.877.573	2.656.973	4.124.853	1.374.951		
30	154.713	1	154.713	0	0	1.467.880	1.467.880		
31	86.327	1.2	241.040	523.822	523.822	1.991.702	995.851	Kapasitas < 300 ton	Periode < 9 (belum ada penyusutan)
32	85.254	1.2.3	326.294	1.034.629	1.558.451	3.026.331	1.008.777		
32	85.254	1	85.254	0	0	1.467.880	1.467.880		
33	123.786	1.2	209.040	751.124	751.124	2.219.004	1.109.502	Kapasitas < 300 ton	Periode < 9 (belum ada penyusutan)
34	100.152	1.2.3	309.192	1.215.429	1.966.553	3.434.433	1.144.811		
34	100.152	1	100.152	0	0	1.467.880	1.467.880		
35	86.151	1.2	186.303	522.757	522.757	1.990.637	995.319	Kapasitas < 300 ton	Periode < 9 (belum ada penyusutan)
36	99.411	1.2.3	285.714	1.206.436	1.729.194	3.197.074	1.065.691		
36	99.411	1	99.411	0	0	1.467.880	1.467.880		
37	99.411	1.2	198.822	603.218	603.218	2.071.098	1.035.549	Kapasitas < 300 ton	Periode < 9 (belum ada penyusutan)
38	101.400	1.2.3	300.222	1.230.574	1.833.792	3.301.672	1.100.557		
38	101.400	1	101.400	0	0	1.467.880	1.467.880		
39	97.851	1.2	199.251	593.752	593.752	2.061.632	1.030.816	Kapasitas < 300 ton	Periode < 9 (belum ada penyusutan)
40	97.851	1.2.3	297.102	1.187.504	1.781.256	3.249.136	1.083.045		
40	97.851	1	97.851	0	0	1.467.880	1.467.880		
41	101.010	1.2	198.861	612.920	612.920	1.467.880	10.40.400	Kapasitas < 300 ton	Periode < 9 (belum ada penyusutan)
42	88.140	1.2.3	287.001	1.069.653	1.682.573	3.150.453	1.050.151		
42	88.140	1	88.140	0	0	1.467.880	1.467.880		
43	86.151	1.2	174.291	522.757	522.757	1.990.637	995.318	Kapasitas < 300 ton	Periode < 9 (belum ada penyusutan)
44	96.915	1.2.3	271.206	1.176.145	1.698.902	3.166.782	1.055.594		

P	D (kg)	Kombinasi Periode	Kumulatif Demand (kg)	Holding Cost (Rp)	Cumulative HC (Rp)	Total cost (Rp)	Total Cost Period (Rp)	Kapasitas Maksimal 300 ton	Penyusutan (Periode ≥ 9)
44	96.915	1	96.915	0	0	1.467.880	1.467.880		
45	83.597	1.2	180.511	507.256	507.256	1.975.136	987.568		
46	83.597	1.2.3	264.108	1.014.513	1.521.770	2.989.650	996.550	Kapasitas < 300 ton	Periode < 9 (belum ada penyusutan)
47	83.070	1.2.3.4	347.178	1.008.124	2.529.895	3.997.775	1.332.591		
47	83.070	1	83.070	0	0	1.467.880	1.467.880		
48	89.544	1.2	172.614	543.345	543.345	2.011.225	1.005.612	Kapasitas < 300 ton	Periode < 9 (belum ada penyusutan)
49	85.569	1.2.3	258.183	1.038.462	1.581.808	3.049.688	1.016.562		
49	85.569	1	85.569	0	0	1.467.880	1.467.880	Optimum Dengan batasan kapasitas	Periode < 9 (belum ada penyusutan)
50	219.187	1.2	304.757	1.330.014	1.330.014	2.797.894	1.398.947	> 300 ton (tidak terpilih)	Periode < 9 (belum ada penyusutan)
50	219.187	1	219.187	0	0	1.467.880	1.467.880	Optimum Dengan batasan kapasitas	Periode < 9 (belum ada penyusutan)
51	211.965	1.2	431.153	1.286.187	1.286.187	2.754.067	1.377.033	> 300 ton (tidak terpilih)	Periode < 9 (belum ada penyusutan)
51	211.965	1	211.965	0	0	1.467.880	1.467.880	Kapasitas < 300 ton	Periode < 9 (belum ada penyusutan)
TOTAL						55.262.646			

Keterangan : Warna hijau adalah periode *lot size* yang terpilih dengan kapasitas yang mencukupi,

Warna ungu adalah periode *lot size* dengan biaya minimal namun tidak terpilih karena batasan kapasitas.

Warna abu abu adalah periode *lot size* yang terpilih tanpa ada permasalahan batasan kapasitas dan penyusutan

Lampiran 4. Algoritma Silver Meal Jagung

P	D (kg)	Kombinasi Periode	Kumulatif Demand (kg)	Holding Cost (Rp)	Cumulative HC (Rp)	Total cost (Rp)	Total Cost Period (Rp)	Kapasitas Maksimal 300 ton	Penyusutan (Periode $\geq$ 9)
2	9.469	1	9.469	0	0	1.465.880	1.465.880		
3	35.650	1.2	42.907	277.361	277.361	1.743.241	871.620		
4	23.050	1.2.3	65.957	358.663	636.023	2.101.903	700.634	Kapasitas < 300 ton	Periode < 9 (belum ada penyusutan)
5	30.450	1.2.3.4	96.407	710.712	1.346.736	2.812.616	703.154		
5	30.450	1	30.450	0	0	1.465.880	1.465.880		
6	26.150	1.2	56.600	203.450	203.450	1.669.330	834.665		
7	26.150	1.2.3	82.750	406.899	610.349	2.076.229	692.076		
8	14.800	1.2.3.4	97.550	345.436	955.785	2.421.665	605.416		
9	14.800	1.2.3.4.5	112.350	460.582	1.416.367	2.882.247	576.449	Kapasitas < 300 ton	Periode < 9 (belum ada penyusutan)
10	30.850	1.2.3.4.5.6	143.200	1.200.081	2.616.448	4.082.328	680.388		
10	30.850	1	30.850	0	0	1.465.880	1.465.880		
11	29.000	1.2	59.850	225.623	225.623	1.691.503	845.751		
12	31.150	1.2.3	91.000	484.700	710.323	2.176.203	725.401		
13	30.450	1.2.3.4	121.450	710.712	1.421.035	2.886.915	721.729	Kapasitas < 300 ton	Periode < 9 (belum ada penyusutan)
14	26.750	1.2.3.4.5	148.200	832.471	2.253.506	3.719.386	743.877		
14	26.750	1	26.750	0	0	1.465.880	1.465.880		
15	28.000	1.2	54.750	217.843	217.843	1.683.723	841.861		
16	25.950	1.2.3	80.700	403.787	621.630	2.087.510	695.837		
17	27.750	1.2.3.4	108.450	647.693	1.269.324	2.735.204	683.801	Kapasitas < 300 ton	Periode < 9 (belum ada penyusutan)
18	34.900	1.2.3.4.5	143.350	1.086.102	2.355.426	3.821.306	764.261		
18	34.900	1	34.900	0	0	1.465.880	1.465.880		
19	35.000	1.2	69.900	272.304	272.304	1.738.184	869.092		
20	27.750	1.2.3	97.650	431.796	704.099	2.169.979	723.326		
21	25.000	1.2.3.4	122.650	583.508	1.287.607	2.753.487	688.372	Kapasitas < 300 ton	Periode < 9 (belum ada penyusutan)
22	35.050	1.2.3.4.5	157.700	1.090.770	2.378.377	3.844.257	768.851		
22	35.050	1	35.050	0	0	1.465.880	1.465.880		
23	35.000	1.2	70.050	272.304	272.304	1.738.184	869.092		
24	28.300	1.2.3	98.350	440.354	712.657	2.178.537	726.179		
25	23.050	1.2.3.4	121.400	537.994	1.250.651	2.716.531	679.133	Kapasitas < 300 ton	Periode < 9 (belum ada penyusutan)
26	23.050	1.2.3.4.5	144.450	717.325	1.967.977	3.433.857	686.771		
26	23.050	1	23.050	0	0	1.465.880	1.465.880		
27	27.650	1.2	50.700	215.120	215.120	1.681.000	840.500		
28	25.000	1.2.3	75.700	389.005	604.125	2.070.005	690.002		
29	26.450	1.2.3.4	102.150	617.351	1.221.476	2.687.356	671.839	Kapasitas < 300 ton	Periode < 9 (belum ada penyusutan)

P	D (kg)	Kombinasi Periode	Kumulatif Demand (kg)	Holding Cost (Rp)	Cumulative HC (Rp)	Total cost (Rp)	Total Cost Period (Rp)	Kapasitas Maksimal 300 ton	Penyusutan (Periode≥9)
30	26.000	1.2.3.4.5	128.150	809.131	2.030.606	3.496.486	699.297		
30	26.000	1	26.000	0	0	1.465.880	1.465.880		
31	27.700	1.2	53.700	215.509	215.509	1.681.389	840.694		
32	33.700	1.2.3	87.400	524.379	739.888	2.205.768	735.256		
33	34.500	1.2.3.4	121.900	805.240	1.545.128	3.011.008	752.752	Kapasitas < 300 ton	Periode < 9 (belum ada penyusutan)
34	30.450	1.2.3.4.5	152.350	947.616	2.492.744	3.958.624	791.725		
34	30.450	1	30.450	0	0	1.465.880	1.465.880		
35	26.750	1.2	57.200	208.118	208.118	1.673.998	836.999		
36	28.000	1.2.3	85.200	435.686	643.803	2.109.683	703.228		
37	23.950	1.2.3.4	109.150	559.000	1.202.804	2.668.684	667.171	Kapasitas < 300 ton	Periode < 9 (belum ada penyusutan)
38	22.500	1.2.3.4.5	131.650	700.209	1.903.013	3.368.893	673.779		
38	22.500	1	22.500	0	0	1.465.880	1.465.880		
39	30.600	1.2	53.100	238.071	238.071	1.703.951	851.976		
40	29.000	1.2.3	82.100	451.246	689.317	2.155.197	718.399		
41	31.400	1.2.3.4	113.500	732.886	1.422.203	2.888.083	722.021	Kapasitas < 300 ton	Periode < 9 (belum ada penyusutan)
42	28.625	1.2.3.4.5	142.125	890.822	2.313.024	3.778.904	755.781		
42	28.625	1	28.625	0	0	1.465.880	1.465.880		
43	31.750	1.2	60.375	247.018	247.018	1.712.898	856.449		
44	29.150	1.2.3	89.525	453.580	700.598	2.166.478	722.159		
45	23.425	1.2.3.4	112.950	546.747	1.247.345	2.713.225	678.306	Kapasitas < 300 ton	Periode < 9 (belum ada penyusutan)
46	23.425	1.2.3.4.5	136.375	728.995	1.976.340	3.442.220	688.444		
46	23.425	1	23.425	0	0	1.465.880	1.465.880		
47	37.200	1.2	60.625	289.420	289.420	1.755.300	877.650		
48	30.250	1.2.3	90.875	470.696	760.116	2.225.996	741.999	Kapasitas < 300 ton	Periode < 9 (belum ada penyusutan)
49	63.840	1.2.3.4	154.715	1.490.045	2.250.161	3.716.041	929.010		
49	63.840	1	63.840	0	0	1.465.880	1.465.880		
50	20.200	1.2	82.340	157.158	157.158	1.623.038	811.519		
51	18.500	1.2.3	82.340	287.864	445.022	1.910.902	636.967	Kapasitas < 300 ton	Periode < 9 (belum ada penyusutan)
TOTAL						34,181,540			

Keterangan : Warna abu abu adalah periode *lot sizing* yang terpilih tanpa ada permasalahan batasan kapasitas dan penyusutan

Lampiran 5 Algoritma Silver Meal MBM

P	D (kg)	Kombinasi Periode	Kumulatif Demand (kg)	Holding Cost (Rp)	Cumulative HC (Rp)	Total cost (Rp)	Total Cost Period (Rp)	Kapasitas Maksimal 300 ton	Penyusutan (Periode ≥ 9)
27	11.290	1	7.665	0	0	9.538.480	9.538.480		
28	40.065	1.2	47.730	434.374	434.374	9.972.854	4.986.427		
29	49.402	1.2.3	97.132	1.071.214	1.505.588	11.044.068	3.681.356		
30	59.505	1.2.3.4	156.637	1.935.412	3.441.000	12.979.480	3.244.870		
31	33.203	1.2.3.4.5	189.840	1.439.891	4.880.890	14.419.371	2.883.674		
32	32.790	1.2.3.4.5.6	222.630	1.777.502	6.658.392	16.196.873	2.699.478	Kapasitas < 300 ton	Periode < 9 (belum ada penyusutan)
33	47.610	1.2.3.4.5.6.7	270.240	3.097.049	9.755.442	19.293.922	2.756.274		
33	47.610	1	47.610	0	0	9.538.480	9.538.480		
34	38.520	1.2	86.130	417.624	417.624	9.956.104	4.978.052		
35	33.135	1.2.3	119.265	718.482	1.136.105	10.674.585	3.558.195		
36	38.235	1.2.3.4	157.500	1.243.601	2.379.706	11.918.186	2.979.547		
37	38.235	1.2.3.4.5	195.735	1.658.135	4.037.841	13.576.321	2.715.264		
38	39.000	1.2.3.4.5.6	234.735	2.114.138	6.151.979	15.690.459	2.615.076		
39	37.635	1.2.3.4.5.6.7	272.370	2.448.172	8.600.150	18.138.630	2.591.233	Kapasitas < 300 ton	Periode < 9 (belum ada penyusutan)
40	37.635	1.2.3.4.5.6.7.8	310.005	2.856.200	11.456.351	20.994.831	2.624.354		
40	37.635	1	37.635	0	0	9.538.480	9.538.480		
41	38.850	1.2	76.485	421.201	421.201	9.959.681	4.979.841		
42	33.900	1.2.3	110.385	735.069	1.156.271	10.694.751	3.564.917		
43	33.135	1.2.3.4	143.520	1.077.722	2.233.993	11.772.473	2.943.118		
44	37.275	1.2.3.4.5	180.795	1.616.502	3.850.496	13.388.976	2.677.795		
45	32.153	1.2.3.4.5.6	212.948	1.742.944	5.593.440	15.131.920	2.521.987		
46	32.153	1.2.3.4.5.6.7	245.100	2.091.533	7.684.973	17.223.453	2.460.493		
47	31.950	1.2.3.4.5.6.7.8	277.050	2.424.754	10.109.726	19.648.206	2.456.026	Kapasitas < 300 ton	Periode < 9 (belum ada penyusutan)
48	34.440	1.2.3.4.5.6.7.8.9	311.490	2.987.114	13.096.840	22.635.320	2.515.036		
48	34.440	1	34.440	0	0	9.538.480	9.538.480		
49	32.912	1.2	67.352	356.818	356.818	9.895.298	4.947.649		
50	84.303	1.2.3	151.655	1.827.981	2.184.799	11.723.279	3.907.760		
51	81.525	1.2.3.4	233.180	2.651.617	4.836.416	14.374.896	3.593.724	Kapasitas < 300 ton	Periode < 9 (belum ada penyusutan)
Total						65.358.604			

Keterangan : Warna abu abu adalah periode *lot sizing* yang terpilih tanpa ada permasalahan batasan kapasitas dan penyusutan

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