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APPENDICES

Appendix-1 Replenishment Process Documentation



Appendix-2 Sensitivity Analysis

Period	Demand	EOQ	Ordering Cost	Storage cost	EOQ Cost	Sqrt	1/sqrt		Cost JIT
April-juni 2022	48487,00	5124,8	Rp812.500,00	Rp3.000,00	Rp15.374.463,41	7,12	0,14	Rp2.160.000,00	4,00 Rp8.640.000,00
juli - sept 2022	52016,85	5308,1	Rp812.500,00	Rp3.000,00	Rp15.924.263,29	7,27	0,14	Rp2.190.000,00	4,00 Rp8.760.000,00
oct - dec 2022	55803,68	5497,9	Rp812.500,00	Rp3.000,00	Rp16.493.724,34	7,53	0,13	Rp2.190.000,00	5,00 Rp10.950.000,00
									Rp28.360.000,00
Period	Demand	EOQ	Ordering Cost (inc 5%)	Storage cost	EOQ Cost	Sqrt	1/sqrt		Cost JIT
April-juni 2022	48487,00	5124,8	Rp853.125,00	Rp3.000,00	Rp15.758.824,99	7,12	0,14	Rp2.214.000,00	4,00 Rp8.856.000,00
juli - sept 2022	52016,85	5308,1	Rp853.125,00	Rp3.000,00	Rp16.322.369,87	7,27	0,14	Rp2.244.750,00	4,00 Rp9.979.000,00
oct - dec 2022	55803,68	5497,9	Rp853.125,00	Rp3.000,00	Rp16.906.067,45	7,53	0,13	Rp2.244.750,00	5,00 Rp11.223.750,00
									Rp29.058.750,00
Period	Demand	EOQ	Ordering Cost (inc 10%)	Storage cost	EOQ Cost	Sqrt	1/sqrt		Cost JIT
April-juni 2022	48487,00	5124,8	Rp893.750,00	Rp3.000,00	Rp16.143.186,58	7,12	0,14	Rp2.268.000,00	4,00 Rp9.072.000,00
juli - sept 2022	52016,85	5308,1	Rp893.750,00	Rp3.000,00	Rp16.720.476,45	7,27	0,14	Rp2.299.500,00	4,00 Rp9.198.000,00
oct - dec 2022	55803,68	5497,9	Rp893.750,00	Rp3.000,00	Rp17.318.410,56	7,53	0,13	Rp2.299.500,00	5,00 Rp11.497.500,00
									Rp29.767.500,00
Period	Demand	EOQ	Ordering Cost (inc 20%)	Storage cost	EOQ Cost	Sqrt	1/sqrt		Cost JIT
April-juni 2022	48487,00	5124,8	Rp975.000,00	Rp3.000,00	Rp16.911.909,75	7,12	0,14	Rp2.376.000,00	4,00 Rp9.504.000,00
juli - sept 2022	52016,85	5308,1	Rp975.000,00	Rp3.000,00	Rp17.516.689,62	7,27	0,14	Rp2.409.000,00	4,00 Rp9.636.000,00
oct - dec 2022	55803,68	5497,9	Rp975.000,00	Rp3.000,00	Rp18.143.096,78	7,53	0,13	Rp2.409.000,00	5,00 Rp12.045.000,00
									Rp31.185.000,00