

LAMPIRAN

LAMPIRAN 1

PROYEKSI PERMINTAN BERAS TAHUN 2022-2026

Tahun	Permintaan Beras (kg) Y	X	XY	X ²
2017	924.230	-2	-1.848.460	4
2018	962.500	-1	-962.500	1
2019	993.630	0	0	0
2020	1.031.630	1	1.031.675	1
2021	1.075.460	2	2.150.920	4
Total	4.987.495		371.635	10

$$Y = a + bX$$

$$a = \frac{4.987.495}{5} = 997.499$$

$$b = \frac{371.635}{10} = 37.163,5$$

$$Y = 997.499 + 37.163,5 (X)$$

$$2022 \longrightarrow 997.499 + 37.163,5 (3) = 1.108.989,5$$

$$2023 \longrightarrow 997.499 + 37.163,5 (4) = 1.146.153$$

$$2024 \longrightarrow 997.499 + 37.163,5 (5) = 1.183.316,5$$

$$2025 \longrightarrow 997.499 + 37.163,5 (6) = 1.220.480$$

$$2026 \longrightarrow 997.499 + 37.163,5 (7) = 1.257.643,5$$

LAMPIRAN 2

TAMBAHAN PERMINTAAN BERAS YANG DIPENUHI (KG)

Tahun	Forecast	Yang Telah Terpenuhi	Selisih
2022	1.108.989,5	1.035.937,5	73,052
2023	1.146.153	1.035.937,5	110.215,5
2024	1.183.316,5	1.035.937,5	147.379
2025	1.220.480	1.035.937,5	184.542,5
2026	1.257.643,5	1.035.937,5	221.706

Yang Telah Dipenuhi :

$$(1.500 \text{ m}^2 * 10\text{Kg}) * 0,85 * 0,65 = 8.287,5 \text{ Kg}$$

$$\text{Dalam 1 tahun} = 8.287,5 \text{ Kg} * 125$$

$$= 1.035.937,5 \text{ Kg}$$

LAMPIRAN 3

SKENARIO PERTAMA

Discount Rate : 0,3

Investment : Rp. 100.000.000,00

Tahun	Cash Flow	Cash Flow Cumulative (Rp)	DCF	NVP
0	-100.000.000	100.000.000	1,00	-100000000
1	82.950.965	82.950.965	0,77	63.808.434,62
2	190.501.242	273.452.207	0,59	112.722.628,4
3	365.302.551	638.754.758	0,46	166.273.350,5
4	628.814.868	1.267.569.626	0,35	220.165.564,2
5	1.005.546.748	2.273.116.374	0,27	270.822.974,8
NVP NET				707890351,5
IRR				163%
PP				1 Tahun 4 Bulan
PI				7,33793

LAMPIRAN 4
SKENARIO KEDUA

Discount Rate : 0,3

Investment : Rp. 350.000.000,00

Tahun	Cash Flow	Cash Flow Cumulative (Rp)	DCF	NVP
0	-350.000.000	350.000.000	1,00	-350000000
1	121.581.549	121.581.549	0,77	93.524.268,46
2	253.231.234	374.812.783	0,59	149.840.966,9
3	455.131.341	829.944.124	0,46	207.160.373,7
4	748.911.649	1.578.855.773	0,35	262.214.785,5
5	1.159.219.801	2.738.075.574	0,27	312.211.596
NVP NET				649049389,5
IRR				81%
PP				2 Tahun 6 Bulan
PI				1,928434

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