

## DAFTAR PUSTAKA

- Rahmadi, R., Awaluddin, A., dan Itanawita. 2014. Pemanfaatan limbah padat tandan kosong kelapa sawit dan tanaman pakis-pakisan untuk produksi kompos menggunakan aktivator EM-4. *Jurnal Jomfmipa*, 1(2), 245-253
- Wardani, D.I. 2012. Tandan Kosong Kelapa Sawit (TKKS) sebagai pupuk organik. Lingkungan Hidup Indonesia. <http://avicenia.tripod.com/profil.htm>.
- Sutedjo, M.M. 2015 Pupuk dan Cara Pemupukan. Rineka Cipta: Jakarta. 173 hlm.
- Badan Penelitian dan Pengembangan Pertanian. 2015. Proyek dan Arah Pengembangan Agribisnis Kelapa Sawit. <http://www.litbang.pertanian.go.id> (diakses 20 September 2019).
- Adiwiganda, R. 2007. Manajemen Tanah dan Pemupukan Kelapa Sawit. Di dalam: S. Mangoensoekarjo, editor. Manajemen Tanah dan Pemupukan Budidaya Tanaman Perkebunan. Yogyakarta (ID) : Gadjah Mada University Press
- Arsyad, S. 2012. Konservasi Tanah dan Air. IPB Press. Bogor
- Darnoko (1993), Darnoko, D., Poelungan, Z. dan Anas, I., 1993. Pembuatan pupuk organik dari tandan kosong kelapa sawit. Buletin PPKS 1, 89-99
- Darlita et al., (2017), Darlita RR, B Joy dan R Sudirja. 2017. Analisis Beberapa Sifat Kimia Tanah Terhadap Peningkatan Produksi Kelapa Sawit pada Tanah Pasir di Perkebunan Kelapa Sawit Selangkun. *Jurnal Agrikultura* 28(1): 15-20
- Fauzi, Y., Y. E. Widyastuti, I Satyawibawa., RH Paeru. 2012. Kelapa Sawit. Jakarta (ID): Penebar Swadaya. 236 hlm.
- Goh, K. J., Chiu, S. B., & Paramanathan, S. (2011). *Agronomic Principles and Practices of Oil Palm Cultivation* (Agricultural Crop Trust (ACT)).
- Haitami A, Wahyudi W. 2019. Pengaruh berbagai dosis pupuk kompos tandan kosong kelapa sawit plus (kotakplus) dalam memperbaiki sifat kimia tanah ultisol. *J Ilm Pertan.* 16(1):56–63. Doi:10.31849/Jip.V16i1.2351.
- Haridjaja et al. (2013), Haridjaja, O., Baskoro, DPT., Setianingsih, M. 2013. Perbedaan nilai kadar air kapasitas lapang berdasarkan Metode Alhricks, Drainase Bebas, dan Pressure Plate pada berbagai tekstur tanah dan hubungannya dengan pertumbuhan bunga matahari (*Helianthus annuus L.*). *Jurnal Ilmu Tanah dan Lingkungan* 15 (2): 52-59.
- Jury et al. (1991), Jury, W. A., W. R. Gardner, and W. H. Gradner. 1991. *Soil Physics*. 5th Ed. John Wiley and Sons. Inc., New York. Mc Keague et al., 1983).
- Mc Keague, J.A., F. De Coninck, and D.P. Franzmeier. 1983. Spodosols. In: *Pedogenesis and Soil Taxonomy. II. The Soil Orders*. L.P. Wilding, N.E. Smeck and G.F. Hall (Eds.). Elsevier. AmsterdamOxford-New York-Tokyo 1983. Olafisoye et al., 2016).

- Olafisoye, O. B., Adefioye, T., & Osibote, O. A. (2016). Heavy metals contamination of water, soil, and plants around an electronic waste dumpsite. *Polish Journal of Environmental Studies*, 22 (5), 1431– 1439.
- Koedadiri, A.D., R. Adiwiganda, dan Z. Poeloengan. 1995. Keragaan Tanaman Kelapa Sawit (*Elaeis guinensis* Jacq) pada Tanah Typic Paleudults, Psamentic Paleudults, dan Haplorthods. Prosiding Seminar Nasional HITI. Kongres HITI VII, Serpong, Bogor.
- Nachrowi, D dan Hardius Usman. 2006. Pendekatan Populer dan Praktis Ekonometrika Untuk Analisis Ekonomi dan Keuangan. Jakarta: Lembaga Penerbit Fakultas Ekonomi Universitas Indonesia.
- Prihutami, N.D. 2011. Analisis Faktor Penentu Produksi Tandan Buah Segar (TBS) Tanaman Kelapa Sawit di Sungai Bahaur Estate (SBHE) PT BumitamaGunajaya Agro (PT BGA) Wilayah VI Metro Cempaga Kota Waringin Timur Kalimantan Tengah. Skripsi Departemen Agronomi dan Hortikultura Institut Pertanian Bogor. Bogor (115 hal).
- Pahan, Iyung. 2010. Panduan Lengkap Kelapa Sawit Manajemen Agribisnis Dari Hulu Hingga Hilir. Jakarta : Penebar Swadaya. 412 Hal
- Pahan I. 2011. Panduan Lengkap Kelapa Sawit: Manajemen Agribisnis dari Pusat Penelitian Tanah dan Agroklimat (Puslittanak). 2000. Atlas Sumberdaya Tanah Eksplorasi Indonesia, skala 1: 1.000.000. Departemen Pertanian, Badan Litbang Pertanian, Pusat Penelitian Tanah dan Agroklimat
- Suharta dan Suratman, 2004 Suharta, N. dan Suratman. 2004. Karakterisasi dan Analisis Sumberdaya Lahan untuk Pengembangan Wilayah di Kawasan Timur Indonesia, skala 1:250.000. Proyek Penelitian Sumberdaya Tanah dan Proyek Pengkajian Teknologi Pertanian Partisipatif (PAATP), Pusat Penelitian Tanah dan Agroklimat, Badan Litbang Pertanian
- Soekartawi. 2003. Teori Ekonomi Produksi Dengan Pokok Bahasan Analisis Cobb Douglas, Jakarta: Pt Rajagrafindo Persada. 250 Hal
- Yunidanova, 2009; Yunindanova, M.B., H. Agusta. dan D. Asmono. 2009. Pengaruh Tingkat Kematangan Kompos Tandan Kosong Sawit dan Mulsa Limbah Padat Kelapa Sawit terhadap Produksi Tanaman Tomat (*Lycopersicon esculentum* Mill.) pada Tanah Ultisol. *Jurnal Ilmu Tanah dan Agroklimatologi*, 10(2) : 91-100
- Wiratna Sujarweni. 2015. Metodologi Penelitian – Bisnis & Ekonomi, Yogyakarta: Pustaka Baru Press, hal.16







**LAMPIRAN 2. DATA HASIL PRODUKSI TANAMAN KELAPA SAWIT FY (FINANCIAL YEAR)**

**1. Hasil Data Produksi Tanaman Kelapa Sawit Tahun 2019-2020**

BLO CK	Blo ck	Perlakuan	ESTATE	HECT ARE	YOP	Ap r-19	Ma y-19	Ju n-19	Jul-19	Au g-19	Sep -19	Oct -19	No v-19	De c-19	Jan -20	Fe b-20	Ma r-20	YT D
			Alias												PRODUKSI (MT)			
D102	A01	Aplikasi Jangkos	Sungai Purun	18	2005/06	22.35	15.25	34.96	31.92	41.73	46.79	23.94	33.37	41.76	28.66	20.07	57.88	398.67
D104	A02	Aplikasi Jangkos	Sungai Purun	29	2005/06	47.16	35.18	35.75	47.47	60.48	59.59	36.85	29.48	49.33	77.89	46.17	71.50	596.86
E102	A03	Aplikasi Jangkos	Sungai Purun	16	2005/06	19.12	12.61	20.49	26.29	21.82	45.06	18.67	18.96	36.87	29.83	24.22	39.39	313.32
E103	A04	Aplikasi Jangkos	Sungai Purun	18	2005/06	20.08	20.78	29.61	31.81	27.88	47.96	28.36	37.18	43.33	33.94	38.48	44.79	404.21
F103	A05	Aplikasi Jangkos	Sungai Purun	15	2005/06	11.45	13.38	20.80	22.60	17.80	32.51	18.99	27.36	33.23	24.87	25.79	38.74	287.54
						24.03	19.44	28.32	32.02	33.94	46.38	25.36	29.27	40.90	39.04	30.95	50.46	
ZD102	B01	Control	Sungai Purun	19	2005/06	23.24	22.14	32.25	37.27	51.43	34.30	25.60	29.73	54.29	28.74	46.68	36.46	422.14
ZE102	B02	Control	Sungai Purun	19	2005/06	27.72	18.41	18.62	27.92	52.76	25.04	25.02	47.38	38.86	34.52	72.22	47.74	436.21
ZH102	B03	Control	Sungai Purun	16	2005/06	24.05	31.97	23.99	22.22	59.85	29.95	45.87	31.49	30.09	23.01	48.79	30.70	402.00
ZI102	B04	Control	Sungai Purun	18	2005/06	26.71	28.97	18.76	24.13	56.99	30.68	44.16	39.72	27.62	27.36	44.65	33.67	403.42
ZL102	B05	Control	Sungai Purun	18	2005/06	28.55	22.53	15.84	21.34	54.82	23.61	56.53	46.18	39.06	39.94	39.99	32.27	420.64

BLOCK	Bloc	Perlakuan	ESTATE	HECTARE	YOP	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	YTD
				Alias											PRODUKSI (MT)			
						26.05	24.81	21.89	26.58	55.17	28.72	39.44	38.90	37.98	30.71	50.47	36.17	

## 2. Hasil Data Produksi Tanaman Kelapa Sawit Tahun 2020/2021

BLOCK	Bloc	Perlakuan	ESTATE	HECTARE	YOP	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	YTD
	Alias					PRODUKSI (MT)												
D102	A01	Aplikasi Jangkos	Sungai Purun	17.5	2005/06	41.78	37.07	30.39	24.00	27.93	52.58	35.85	66.27	39.28	27.09	40.73	42.85	465.81
D104	A02	Aplikasi Jangkos	Sungai Purun	28.6	2005/06	59.05	55.49	51.40	58.40	55.66	68.96	65.76	92.60	101.59	66.82	60.44	79.06	815.22
E102	A03	Aplikasi Jangkos	Sungai Purun	15.7	2005/06	15.28	34.90	26.44	17.64	26.04	41.86	27.97	44.93	39.60	42.92	35.64	38.15	391.37
E103	A04	Aplikasi Jangkos	Sungai Purun	18.2	2005/06	32.86	34.94	30.69	18.15	22.21	40.39	39.43	65.24	49.15	34.71	39.62	45.84	453.21
F103	A05	Aplikasi Jangkos	Sungai Purun	15.4	2005/06	20.51	24.48	16.59	16.98	17.22	30.46	22.11	53.81	26.39	22.35	30.87	43.95	325.71
						33.89	37.37	31.10	27.03	29.81	46.85	38.22	64.57	51.20	38.78	41.46	49.97	
ZD102	B01	Control	Sungai Purun	18.7	2005/06	22.67	35.31	32.04	22.22	21.08	35.40	29.56	61.90	38.84	41.39	35.02	38.15	413.56

BLOK	Blok	Perlakuan	ESTATE	HECTARE	YOP	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	YTD
	Alias					PRODUKSI (MT)												
ZE102	B02	Control	Sungai Purun	18.9	2005/06	47.99	36.73	36.86	17.17	29.76	27.25	39.64	56.06	42.67	39.37	34.82	34.91	443.23
ZH102	B03	Control	Sungai Purun	15.7	2005/06	37.07	24.52	35.31	22.37	38.35	31.84	53.61	41.02	41.45	52.86	34.88	43.38	456.67
ZI102	B04	Control	Sungai Purun	17.6	2005/06	41.34	24.48	37.88	27.23	47.78	29.30	51.70	32.44	39.96	51.68	34.88	25.99	444.66
ZL102	B05	Control	Sungai Purun	18.2	2005/06	38.31	24.90	23.93	11.55	28.17	33.42	59.83	45.25	37.44	49.89	50.57	31.50	434.75
						37.48	29.19	33.21	20.11	33.03	31.44	46.87	47.33	40.07	47.04	38.03	34.78	

### 3. Hasil Data Produksi Tanaman Kelapa Sawit Tahun 2021/2022

BLOK	Blok	Perlakuan	ESTATE	HECTARE	YOP	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	YTD
	Alias					PRODUKSI (MT)												
D102	A01	Aplikasi Jangkos	Sungai Purun	17.5	2005/06	55.31	23.45	40.35	42.91	30.38	43.47	29.05	22.81	26.40	20.77	19.16	13.57	367.64
D104	A02	Aplikasi Jangkos	Sungai Purun	28.6	2005/06	64.42	51.68	78.69	62.16	54.09	41.25	42.89	89.13	30.24	56.48	35.61	36.57	643.20
E102	A03	Aplikasi Jangkos	Sungai Purun	15.7	2005/06	60.38	33.08	31.78	55.41	30.83	32.90	25.15	19.14	29.08	14.75	20.00	21.10	373.59
E103	A04	Aplikasi Jangkos	Sungai Purun	18.2	2005/06	47.20	76.27	58.19	59.04	64.31	28.25	11.60	39.65	36.02	31.93	18.01	25.42	495.89



BLOCK	Blok	Perlakuan	ESTATE	HECTARE	YOP	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	YTD
	Alias					PRODUKSI (MT)												
F103	A05	Aplikasi Jangkos	Sungai Purun	15.4	2005/06	46.29	28.17	43.42	39.36	32.74	4.07	30.18	56.33	21.36	36.46	15.48	17.43	371.28
						54.72	42.53	50.49	51.78	42.47	29.99	27.77	45.41	28.62	32.08	21.65	22.82	
ZD102	B01	Control	Sungai Purun	18.7	2005/06	42.80	60.10	52.53	30.16	44.82	43.10	17.83	19.02	22.14	14.97	11.31	20.85	379.61
ZE102	B02	Control	Sungai Purun	18.9	2005/06	50.06	47.45	41.48	14.67	33.53	27.08	27.53	26.66	28.63	15.94	11.21	20.61	344.85
ZH102	B03	Control	Sungai Purun	17.1	2005/06	48.34	29.77	58.47	40.96	25.50	33.48	29.74	13.62	23.71	9.86	8.79	7.68	329.94
ZI102	B04	Control	Sungai Purun	18	2005/06	77.04	40.40	47.93	42.46	28.54	39.17	27.10	24.07	30.13	28.37	9.05	7.54	401.78
ZL102	B05	Control	Sungai Purun	18.2	2005/06	47.37	46.64	47.53	54.80	42.16	29.74	33.10	16.53	30.29	12.88	17.92	12.38	391.33
						53.12	44.87	49.59	36.61	34.91	34.51	27.06	19.98	26.98	16.40	11.66	13.81	

#### 4. Hasil Data Produksi Tanaman Kelapa Sawit Tahun 2022/2023

BLOCK	Blok	Perlakuan	ESTATE	HECTARE	YOP	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	YTD
	Alias					PRODUKSI (MT)												
D102	A01	Aplikasi Jangkos	Sungai Purun	17.5	2005/06	55.31	23.45	40.35	42.91	30.38	43.47	29.05	22.81	26.40	20.77	19.16	13.57	367.64

BLOK	Blok	Perlakuan	ESTATE	HECTARE	YOP	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	YTD
	Alias					PRODUKSI (MT)												
D104	A02	Aplikasi Jangkos	Sungai Purun	28.6	2005/06	64.42	51.68	78.69	62.16	54.09	41.25	42.89	89.13	30.24	56.48	35.61	36.57	643.20
E102	A03	Aplikasi Jangkos	Sungai Purun	15.7	2005/06	60.38	33.08	31.78	55.41	30.83	32.90	25.15	19.14	29.08	14.75	20.00	21.10	373.59
E103	A04	Aplikasi Jangkos	Sungai Purun	18.2	2005/06	47.20	76.27	58.19	59.04	64.31	28.25	11.60	39.65	36.02	31.93	18.01	25.42	495.89
F103	A05	Aplikasi Jangkos	Sungai Purun	15.4	2005/06	46.29	28.17	43.42	39.36	32.74	4.07	30.18	56.33	21.36	36.46	15.48	17.43	371.28
						54.72	42.53	50.49	51.78	42.47	29.99	27.77	45.41	28.62	32.08	21.65	22.82	
ZD102	B01	Control	Sungai Purun	18.7	2005/06	42.80	60.10	52.53	30.16	44.82	43.10	17.83	19.02	22.14	14.97	11.31	20.85	379.61
ZE102	B02	Control	Sungai Purun	18.9	2005/06	50.06	47.45	41.48	14.67	33.53	27.08	27.53	26.66	28.63	15.94	11.21	20.61	344.85
ZH102	B03	Control	Sungai Purun	17.1	2005/06	48.34	29.77	58.47	40.96	25.50	33.48	29.74	13.62	23.71	9.86	8.79	7.68	329.94
ZI102	B04	Control	Sungai Purun	18	2005/06	77.04	40.40	47.93	42.46	28.54	39.17	27.10	24.07	30.13	28.37	9.05	7.54	401.78
ZL102	B05	Control	Sungai Purun	18.2	2005/06	47.37	46.64	47.53	54.80	42.16	29.74	33.10	16.53	30.29	12.88	17.92	12.38	391.33
						53.12	44.87	49.59	36.61	34.91	34.51	27.06	19.98	26.98	16.40	11.66	13.81	

5. Hasil Data Produksi Tanaman Kelapa Sawit Tahun 2023/2024

BLOK	Blok	Perlakuan	ESTATE	HECTARE	YOP	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	YTD
	Alias					PRODUKSI (MT)												
D102	A01	Aplikasi Jangkos	Sungai Purun	17.5	2005/06	39.21	25.50	18.55	29.24	20.27	37.97	26.96	31.17	28.76	33.66	34.03	27.39	352.70
D104	A02	Aplikasi Jangkos	Sungai Purun	28.6	2005/06	31.20	67.83	32.51	80.84	41.04	78.53	65.62	45.54	38.65	62.48	36.55	66.69	647.49
E102	A03	Aplikasi Jangkos	Sungai Purun	15.7	2005/06	20.60	30.90	26.24	33.26	23.65	39.36	23.18	28.17	24.60	29.63	29.16	42.06	350.79
E103	A04	Aplikasi Jangkos	Sungai Purun	18.2	2005/06	31.13	47.09	21.06	47.33	23.49	24.87	29.14	23.54	19.34	30.14	29.92	32.56	359.62
F103	A05	Aplikasi Jangkos	Sungai Purun	15.4	2005/06	23.39	20.78	19.05	25.32	24.93	24.44	23.10	27.01	20.35	38.96	39.22	35.28	321.83
						29.11	38.42	23.48	43.20	26.68	41.03	33.60	31.09	26.34	38.97	33.77	40.80	
ZD102	B01	Control	Sungai Purun	18.7	2005/06	8.48	22.14	19.14	18.25	23.41	19.22	32.20	13.81	23.56	14.61	19.02	17.92	172.67
ZE102	B02	Control	Sungai Purun	18.9	2005/06	9.48	28.63	31.37	25.90	19.84	18.14	27.49	18.77	5.24	15.94	26.66	17.67	156.23
ZH102	B03	Control	Sungai Purun	17.1	2005/06	22.44	23.71	27.43	18.75	21.02	30.13	30.17	30.64	5.51	9.86	13.62	15.61	186.10
ZI102	B04	Control	Sungai Purun	18	2005/06	17.78	30.13	26.16	35.97	9.21	17.67	24.53	19.80	1.17	28.37	24.07	16.33	152.30
ZL102	B05	Control	Sungai Purun	18.2	2005/06	8.45	30.29	39.18	9.72	20.13	20.82	28.97	28.91	3.21	12.88	16.53	24.88	159.38

BLO CK	Blo ck	Perlakuan	ESTAT E	HECTA RE	YOP	Ap r- 23	Ma y- 23	Jun -23	Jul -23	Au g- 23	Sep -23	Oct -23	No v- 23	Dec -23	Jan -24	Feb -24	Ma r- 24	YT D
	Alia s					PRODUKSI (MT)												
						13. 33	26. 98	28. 66	21. 72	18. 72	21. 20	28. 67	22. 39	7.7 4	16. 33	19. 98	18. 48	

## LAMPIRAN 2. HASIL PENELITIAN

### 1. Hasil Analisis Deskriptif Tahun 2019-2020

#### Descriptives

Kode			Statistic	Std. Error	
Hasil_Produksi	Jongkos	Mean	33.3425	2.67696	
		95% Confidence Interval for Mean	Lower Bound	27.4506	
			Upper Bound	39.2344	
		5% Trimmed Mean	33.1639		
		Median	31.4850		
		Variance	85.993		
		Std. Deviation	9.27325		
		Minimum	19.44		
		Maximum	50.46		
		Range	31.02		
		Interquartile Range	14.34		
		Skewness	.497	.637	
		Kurtosis	-.433	1.232	
		No Jongkos	No Jongkos	Mean	34.7408
95% Confidence Interval for Mean	Lower Bound			28.1739	
	Upper Bound			41.3077	
5% Trimmed Mean	34.3198				
Median	33.4400				
Variance	106.824				
Std. Deviation	10.33558				
Minimum	21.89				
Maximum	55.17				
Range	33.28				
Interquartile Range	13.12				
Skewness	.795			.637	
Kurtosis	-.098			1.232	

### 2. Hasil Perhitungan Normalitas 2019-2020

#### Tests of Normality

Kode		Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Hasil_Produksi	Jongkos	.141	12	.200 <sup>*</sup>	.966	12	.863
	No Jongkos	.158	12	.200 <sup>*</sup>	.920	12	.282

\*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

### 3. Hasil Perhitungan Anova

**ANOVA<sup>a</sup>**

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	38.905	1	38.905	.429	.527 <sup>b</sup>
	Residual	907.021	10	90.702		
	Total	945.926	11			

a. Dependent Variable: Jongkos

b. Predictors: (Constant), Curah\_Hujan

### 4. Hasil Uji t Data Tahun 2019-2020

**Coefficients<sup>a</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	Collinearity Statistics	
		B	Std. Error	Beta			Tolerance	VIF
1	(Constant)	36.255	5.228		6.935	.000		
	Curah_Hujan	-.014	.022	-.203	-.655	.527	1.000	1.000

a. Dependent Variable: Jongkos

### 5. Hasil Uji Regresi Tahun 2019-2020

**ANOVA<sup>a</sup>**

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	17.008	1	17.008	.147	.710 <sup>b</sup>
	Residual	1158.058	10	115.806		
	Total	1175.066	11			

a. Dependent Variable: NO\_jongkos

b. Predictors: (Constant), Curah\_Hujan

**Coefficients<sup>a</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	Collinearity Statistics	
		B	Std. Error	Beta			Tolerance	VIF
1	(Constant)	36.666	5.907		6.207	.000		
	Curah_Hujan	-.010	.025	-.120	-.383	.710	1.000	1.000

a. Dependent Variable: NO\_jongkos

**Residuals Statistics<sup>a</sup>**

	Minimum	Maximum	Mean	Std. Deviation	N
Predicted Value	32.6609	36.6236	34.7408	1.24347	12
Residual	-12.74749	18.86472	.00000	10.26051	12
Std. Predicted Value	-1.673	1.514	.000	1.000	12
Std. Residual	-1.185	1.753	.000	.953	12

a. Dependent Variable: NO\_jongkos

## 6. Hasil Analisis Deskriptif Tahun 2020-2021

### Descriptives

Kode		Statistic	Std. Error		
Hasil_Produksi	Jongkos	Mean	40.8542	3.10058	
		95% Confidence Interval for Mean	Lower Bound	34.0298	
			Upper Bound	47.6785	
		5% Trimmed Mean	40.3046		
		Median	38.5000		
		Variance	115.363		
		Std. Deviation	10.74074		
		Minimum	27.03		
		Maximum	64.57		
		Range	37.54		
		Interquartile Range	17.39		
		Skewness	.889	.637	
		Kurtosis	.691	1.232	
			No Jongkos	Mean	36.5483
95% Confidence Interval for Mean	Lower Bound			31.3886	
	Upper Bound			41.7081	
5% Trimmed Mean	36.8626				
Median	36.1300				
Variance	65.948				
Std. Deviation	8.12085				
Minimum	20.11				
Maximum	47.33				
Range	27.22				
Interquartile Range	13.33				
Skewness	-.306			.637	
Kurtosis	.099			1.232	

## 7. Hasil Perhitungan Normalitas Tahun 2020-2021

### Tests of Normality

Kode		Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Hasil_Produksi	Jongkos	.160	12	.200*	.940	12	.503
	No Jongkos	.148	12	.200*	.939	12	.488

\*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

## 8. Hasil Perhitungan Uji Anova

**ANOVA<sup>a</sup>**

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	114.186	1	114.186	.989	.343 <sup>b</sup>
	Residual	1154.811	10	115.481		
	Total	1268.997	11			

a. Dependent Variable: Jongkos

b. Predictors: (Constant), Curah\_Hujan

## 9. Hasil Uji t data tahun 2020-2021

**Coefficients<sup>a</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	Collinearity Statistics	
		B	Std. Error	Beta			Tolerance	VIF
1	(Constant)	51.105	10.765		4.747	.001	1.000	1.000
	Curah_Hujan	-.031	.031	-.300	-.994	.343	1.000	1.000

a. Dependent Variable: Jongkos

## 10. Hasil Uji regresi tahun 2020-2021

**ANOVA<sup>a</sup>**

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	1.632	1	1.632	.023	.884 <sup>b</sup>
	Residual	723.799	10	72.380		
	Total	725.431	11			

a. Dependent Variable: NO\_jongkos

b. Predictors: (Constant), Curah\_Hujan

**Coefficients<sup>a</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	Collinearity Statistics	
		B	Std. Error	Beta			Tolerance	VIF
1	(Constant)	37.774	8.523		4.432	.001	1.000	1.000
	Curah_Hujan	-.004	.024	-.047	-.150	.884	1.000	1.000

a. Dependent Variable: NO\_jongkos

**Residuals Statistics<sup>a</sup>**

	Minimum	Maximum	Mean	Std. Deviation	N
Predicted Value	35.5837	37.0419	36.5483	.38519	12
Residual	-16.19951	10.82172	.00000	8.11171	12
Std. Predicted Value	-2.504	1.281	.000	1.000	12
Std. Residual	-1.904	1.272	.000	.953	12

a. Dependent Variable: NO\_jongkos



## 11. Hasil Analisis Deskriptif Tahun 2021-2022

### Descriptives

Kode		Statistic	Std. Error		
Hasil_Produksi	Jongkos	Mean	34.5458	2.60495	
		95% Confidence Interval for Mean	Lower Bound	28.8124	
			Upper Bound	40.2793	
		5% Trimmed Mean	34.3193		
		Median	34.7550		
		Variance	81.429		
		Std. Deviation	9.02379		
		Minimum	21.05		
		Maximum	52.12		
		Range	31.07		
		Interquartile Range	12.83		
		Skewness	.252	.637	
		Kurtosis	.031	1.232	
			No Jongkos	Mean	31.8225
95% Confidence Interval for Mean	Lower Bound			25.9104	
	Upper Bound			37.7346	
5% Trimmed Mean	31.4000				
Median	31.1500				
Variance	86.583				
Std. Deviation	9.30500				
Minimum	18.48				
Maximum	52.77				
Range	34.29				
Interquartile Range	12.93				
Skewness	.922			.637	
Kurtosis	1.205			1.232	

## 12. Hasil Tes Normalitas Tahun 2021-2022

### Tests of Normality

Kode		Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Hasil_Produksi	Jongkos	.136	12	.200*	.960	12	.785
	No Jongkos	.255	12	.030	.926	12	.336

\*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

## 13. Hasil Perhitungan Uji anova

**ANOVA<sup>a</sup>**

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	78.866	1	78.866	.965	.349 <sup>b</sup>
	Residual	816.852	10	81.685		
	Total	895.717	11			

a. Dependent Variable: Jongkos

b. Predictors: (Constant), Curah\_Hujan

**14. Hasil Perhitungan Uji t****Coefficients<sup>a</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	Collinearity Statistics	
		B	Std. Error	Beta			Tolerance	VIF
1	(Constant)	41.873	7.900		5.300	.000		
	Curah_Hujan	-.026	.027	-.297	-.983	.349	1.000	1.000

a. Dependent Variable: Jongkos

**15. Hasil Perhitungan uji regresi tahun 2021-2022****Coefficients<sup>a</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	Collinearity Statistics	
		B	Std. Error	Beta			Tolerance	VIF
1	(Constant)	42.380	7.763		5.459	.000		
	Curah_Hujan	-.038	.026	-.415	-1.441	.180	1.000	1.000

a. Dependent Variable: NO\_jongkos

**Residuals Statistics<sup>a</sup>**

	Minimum	Maximum	Mean	Std. Deviation	N
Predicted Value	24.5692	38.7720	31.8225	3.85809	12
Residual	-14.74759	13.99801	.00000	8.46747	12
Std. Predicted Value	-1.880	1.801	.000	1.000	12
Std. Residual	-1.661	1.576	.000	.953	12

a. Dependent Variable: NO\_jongkos

## 16. Hasil Analisis Deskriptif Tahun 2022-2023

### Descriptives

Kode		Statistic	Std. Error		
Hasil_Produksi	Jongkos	Mean	37.5275	3.37973	
		95% Confidence Interval for Mean	Lower Bound	30.0888	
			Upper Bound	44.9662	
		5% Trimmed Mean	37.4544		
		Median	37.2750		
		Variance	137.071		
		Std. Deviation	11.70771		
		Minimum	21.65		
		Maximum	54.72		
		Range	33.07		
		Interquartile Range	21.24		
		Skewness	.101	.637	
		Kurtosis	-1.586	1.232	
			No Jongkos	Mean	30.7917
95% Confidence Interval for Mean	Lower Bound			21.9677	
	Upper Bound			39.6157	
5% Trimmed Mean	30.6141				
Median	30.7850				
Variance	192.876				
Std. Deviation	13.88798				
Minimum	11.66				
Maximum	53.12				
Range	41.46				
Interquartile Range	25.51				
Skewness	.189			.637	
Kurtosis	-1.117			1.232	

## 17. Hasil Perhitungan Uji Normalitas

### Tests of Normality

Kode		Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Hasil_Produksi	Jongkos	.179	12	.200*	.918	12	.270
	No Jongkos	.115	12	.200*	.949	12	.624

\*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

## 18. Hasil Perhitungan uji anova

**ANOVA<sup>a</sup>**

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	3.324	1	3.324	.022	.885 <sup>b</sup>
	Residual	1504.452	10	150.445		
	Total	1507.776	11			

a. Dependent Variable: Jongkos

b. Predictors: (Constant), Curah\_Hujan

**19. Hasil Perhitungan Uji t****Coefficients<sup>a</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	Collinearity Statistics	
		B	Std. Error	Beta			Tolerance	VIF
1	(Constant)	35.704	12.769		2.796	.019		
	Curah_Hujan	.005	.035	.047	.149	.885	1.000	1.000

a. Dependent Variable: Jongkos

**20. Hasil Perhitungan Uji Regresi****ANOVA<sup>a</sup>**

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	221.301	1	221.301	1.165	.306 <sup>b</sup>
	Residual	1900.334	10	190.033		
	Total	2121.635	11			

a. Dependent Variable: NO\_jongkos

b. Predictors: (Constant), Curah\_Hujan

**Coefficients<sup>a</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	Collinearity Statistics	
		B	Std. Error	Beta			Tolerance	VIF
1	(Constant)	15.913	14.351		1.109	.293		
	Curah_Hujan	.043	.040	.323	1.079	.306	1.000	1.000

a. Dependent Variable: NO\_jongkos

**Residuals Statistics<sup>a</sup>**

	Minimum	Maximum	Mean	Std. Deviation	N
Predicted Value	21.9803	38.4743	30.7917	4.48534	12
Residual	-18.22542	24.73015	.00000	13.14373	12
Std. Predicted Value	-1.964	1.713	.000	1.000	12
Std. Residual	-1.322	1.794	.000	.953	12

a. Dependent Variable: NO\_jongkos

## 21. Hasil Perhitungan Analisis Deskriptif Tahun 2023-2024

### Descriptives

Kode		Statistic	Std. Error		
Hasil_Produksi	Jongkos	Mean	33.8742	1.90667	
		95% Confidence Interval for Mean	Lower Bound	29.6776	
			Upper Bound	38.0707	
		5% Trimmed Mean	33.9335		
		Median	33.6850		
		Variance	43.625		
		Std. Deviation	6.60489		
		Minimum	23.48		
		Maximum	43.20		
		Range	19.72		
		Interquartile Range	13.06		
		Skewness	-.120	.637	
		Kurtosis	-1.406	1.232	
			No Jongkos	Mean	20.3500
95% Confidence Interval for Mean	Lower Bound			16.4252	
	Upper Bound			24.2748	
5% Trimmed Mean	20.5883				
Median	20.5900				
Variance	38.158				
Std. Deviation	6.17723				
Minimum	7.74				
Maximum	28.67				
Range	20.93				
Interquartile Range	8.97				
Skewness	-.451			.637	
Kurtosis	.242			1.232	

## 22. Hasil Perhitungan uji normalitas

### Tests of Normality

Kode		Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Hasil_Produksi	Jongkos	.171	12	.200*	.940	12	.502
	No Jongkos	.131	12	.200*	.952	12	.666

\*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

### 23. Hasil Perhitungan uji anova

**ANOVA<sup>a</sup>**

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	23.660	1	23.660	.519	.488 <sup>b</sup>
	Residual	456.209	10	45.621		
	Total	479.870	11			

a. Dependent Variable: Jongkos

b. Predictors: (Constant), Curah\_Hujan

### 24. Hasil Perhitungan uji T

**Coefficients<sup>a</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	Collinearity Statistics	
		B	Std. Error	Beta			Tolerance	VIF
1	(Constant)	31.730	3.559		8.914	.000		
	Curah_Hujan	.009	.012	.222	.720	.488	1.000	1.000

a. Dependent Variable: Jongkos

### 25. Hasil Perhitungan uji regresi

**ANOVA<sup>a</sup>**

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	27.056	1	27.056	.689	.426 <sup>b</sup>
	Residual	392.684	10	39.268		
	Total	419.740	11			

a. Dependent Variable: NO\_jongkos

b. Predictors: (Constant), Curah\_Hujan

**Coefficients<sup>a</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	Collinearity Statistics	
		B	Std. Error	Beta			Tolerance	VIF
1	(Constant)	22.643	3.302		6.857	.000		
	Curah_Hujan	-.009	.011	-.254	-.830	.426	1.000	1.000

a. Dependent Variable: NO\_jongkos

**Residuals Statistics<sup>a</sup>**

	Minimum	Maximum	Mean	Std. Deviation	N
Predicted Value	17.9748	22.3066	20.3500	1.56832	12
Residual	-11.31776	7.19976	.00000	5.97483	12
Std. Predicted Value	-1.514	1.248	.000	1.000	12
Std. Residual	-1.806	1.149	.000	.953	12

a. Dependent Variable: NO\_jongkos