

DAFTAR PUSTAKA

- Anonim. 2021. Pembangunan Perkebunan dan Kehutanan. <https://seruyankab.go.id/pembangunan/perkebunan-kehutanan/> . Diakses pada 25 Februari 2021.
- Bakornas PB. 2007. Pedoman Penanggulangan Banjir Tahun 2007-2008. Jakarta.
- Berglund, Orjan and Berglund, Kerstin. 2011. Influence of water table level and soil properties on emissions of greenhouse gases from cultivated peat soil. *Soil biology & biochemistry*. 43:5.923-931.
- Colmer, T.D. and L.A.C.J. Voesenek. 2009. Flooding tolerance: suites of plant traits in variable environments. *Functional Plant Biology*. 36.665–681.
- Dewi, N. 2009. Respon bibit kelapa sawit terhadap lama penggenangan dan pupuk pelengkap cair. *Agronobis*. Vol 1 No 1.
- El-Nashar, W. Y. 2013. The combined effect of water-logging and salinity on crops yield. *IOSR Journal of Agriculture and Veterinary Science*, 6(4), 40-49.
- Fauzi Y., Y. E. Widyastuti, I. Satyawibawa, dan R. H. Paeru. 2012. Kelapa Sawit. Penebar Swadaya. Jakarta.
- Haidi, F. 2020. Sejumlah Desa di Seruyan Tengah Alami Banjir. <https://www.borneonews.co.id/berita/184117-sejumlah-desa-di-seruyan-tengah-alami-banjir>. Diakses pada 25 Februari 2021.
- Jackson, M. B. & Colmer, T. D. (2005). Response and adaptation by plants to flooding stress. *Annals of Botany*, 96(4), 501–505. <https://dx.doi.org/10.1093%2Faob%2Fmci205>.
- Jamil, M., Ashraf, M., Rehman, S., Ahmad, M. & Rha, E. S. (2012). Salinity induced changes in cell membrane stability, protein and RNA contents. *African Journal of Biotechnology*, 11(24), 6476–6483. <http://dx.doi.org/10.5897/AJB11.2590>.
- Kim, H., H. Jeong, J. Jeon, dan S. Bae. (2016). Effects of irrigation with saline water on crop growth and yield in greenhouse cultivation. *Water*, 8(4), 127. <https://doi.org/10.3390/w8040127>

- Kodoatie, R.J. dan Sugiyanto, 2002. *Banjir*, Beberapa Penyebab dan Metode Pengendaliannya dalam Perspektif Lingkungan, Pustaka Pelajar, Yogyakarta.
- Koon, L. W. & Kun, O. B. 2006. The Unseen Flood : Waterlogging in Large Oil Palm Plantations. *Jurutera*, Januari 2006, 28–31. Retrieved from dspace.unimap.edu.my/.../1/028_030_031_unseen%20flood.
- Lauchli, A & Grattan, S. R. (2007). Plant growth and development under salinity stress. in Jenks, M.A., Hasegawa, P.M., & Jain, S. M. (Eds.) *Advances in molecular breeding toward drought*. Switzerland: Springer. pp 1–32.
- Lubis, R. E dan A. Widanarko. 2011. Buku Pintar Kelapa Sawit. AgroMedia Pustaka. Jakarta.
- Negrao, S., Schmockel, S. M., & Tester, M. (2017). Evaluating physiological responses of plants to salinity stress. *Annals of Botany*, 119(1), 1–11. <https://dx>.
- Nofiana Dian Rahayu dan Bandi Sasmito, Nurhadi Bashit, Analisis Pengaruh Fenomena Indian Ocean Dipole (Iod) Terhadap Curah Hujan Di Pulau Jawa. *Jurnal Geodesi Undip*. Vol. 7 No. 1, Januari 2018, hal. 58.
- Pahan, I., 2010, Panduan Lengkap Kelapa Sawit. Penerbit Niaga Swadaya. Bogor.
- Pahan, I. 2006. Panduan Lengkap Kelapa Sawit. Penebar Swadaya. Jakarta.
- Parent, C., Capelli, N., Berger, A., Crèvecoeur, M., & Dat, J. F. (2008). An overview of plant responses to soil waterlogging. *Plant Stress*, 2(1), 20–27.
- Pardamean, M., 2017. Kupas Tuntas Agribisnis Kelapa Sawit : Mengelola Kebun dan Pabrik Kelapa Sawit Secara Efektif dan Efisien. Penebar Swadaya, Jakarta.
- Rivera-Mendes, Y. D., Cuenca, J. C. & H. M. Romero. (2016). Physiological responses of oil palm (*Elaeis guineensis* Jacq.) seedlings under different water soil conditions. *Agronomía Colombiana*, 34(2), 163–171. Retrieved from <http://www.redalyc.org/articulo.oa?id=180348900005>

- Salazar, C., Hernández, C. & Pino, M.T. 2015. Plant water stress: Associations between ethylene and abscisic acid response. *Chilean Journal of Agricultural Research*, 75(1), 71-79.
- Shaw, R. E. 2015. Plant waterlogging: causes, responses, adaptations and crop models. *Thesis*. School of Earth and Environmental Sciences University of Adelaide.
- Sunarko. 2007. Petunjuk Praktis Budi Daya & Pengolahan Kelapa Sawit. Agro Media Pustaka. Jakarta.
- Suwarto, Y. Octavianty, dan S. Hermawati. 2014. Top 15 Tanaman Perkebunan. Penebar Swadaya. Jakarta.
- Taiz, L. and Eduardo. Zeiger. 2002. Plant Physiology. Third edition. Sinauer Associates. Sunderland.
- Visser, E. J. W. & Pierik, R. (2007). Inhibition of root elongation by ethylene in wetland and non-wetland plant species and the impact of longitudinal ventilation. *Plant, Cell and Environment*, 30(1), 31–38.<https://doi.org/10.1111/j.1365-3040.2006.01601.x>
- Voesenek, C. J. & Bailey-Serres, J. (2015). Flood adaptive traits and processes : an overview. *New Phytologist*, 206(1), 57– 73. <https://doi.org/10.1111/nph.13209>

LAMPIRAN

Lampiran 1. Data Curah Hujan Tahun 2016 – 2020

BULAN	2016		2017		2018		2019		2020	
	SIANG	MALAM	SIANG	MALAM	SIANG	MALAM	SIANG	MALAM	SIANG	MALAM
January	140	104	42	28	135	73	48	194	158	199
February	115	105	125	193	103	86	188	155	130	139
March	50	31.5	110	181	126	116	62	137	81	132
April	129.5	107	104	145	235	179	82	129	122	136
May	34	68.5	133	171	165	191	40	33	154	74
June	44	62	27	13	62	72	138	72	110	122
July	24	48	121	166	95	67	27	48	59	167
August	18	44	86	92	43	30	33	23	179	119
September	66	78	76	99	59	106	0	3	204	185
October	53	114	155	192	105	128	59	72	201	362
November	69	117	105	122	158	232	22	33	162	244
December	99	42	106	143	154	195	242	244	112	91
TOTAL	841.5	921	1190	1545	1440	1475	941	1143	1672	1970
TOTAL	1762.5		2735		2915		2084		3642	

Lampiran 2. Data Banjir Tahun 2016 – 2020

blok	luas ha	tahun									
		2016		2017		2018		2019		2020	
		luas terkena banjir (ha)	lama banjir (hari)	luas terkena	lama banjir	luas terkena	lama banjir	luas terkena	lama banjir	luas terkena	lama banjir
H08	19.93	0	0	0	0	0	0	0	0	0	0
H09	25.72	0	0	0	0	0	0	0	0	0	0
H10	33.33	0	0	0	0	0	0	0	0	0	0
H11	27.52	0	0	0	0	0	0	0	0	0	0
J08	18.85	0	0	0	0	0	0	0	0	0	0
J09	31.37	0	0	0	0	0	0	0	0	0	0
J10	28.49	0	0	0	0	0	0	0	0	0	0
J11	26.59	0	0	0	0	0	0	0	0	0	0
J12	23.95	0	0	0	0	0	0	0	0	0	0
J13	21.17	0	0	0	0	0	0	0	0	0	0
J04	22.28	9.2105	58	9.2105	63	9.2105	109	9.2105	43	9.2105	147
J05	28.83	10.7	58	10.7	63	10.7	109	10.7	43	10.7	147
J06	34.21	0	0	0	0	0	0	0	0	0	0
J07	17.24	0	0	0	0	0	0	0	0	0	0
H12	26.26	0	0	0	0	0	0	0	0	0	0
H13	24.66	0	0	0	0	0	0	0	0	0	0
H04	15.89	15.89	58	15.89	55	15.89	98	15.89	98	15.89	147
H05	13.74	13.74	58	13.74	55	13.74	98	13.74	98	13.74	147
H06	5.84	5.84	58	5.84	55	5.84	98	5.84	98	5.84	147
H07	1.41	1.41	58	1.41	55	1.41	98	1.41	98	1.41	147

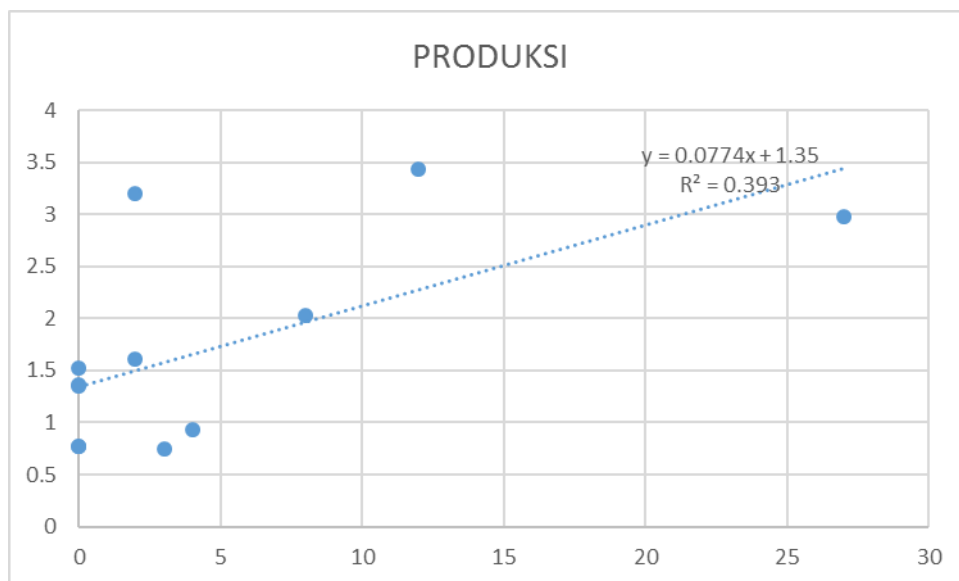
Lampiran 3. Uji t Karakter Agronomi

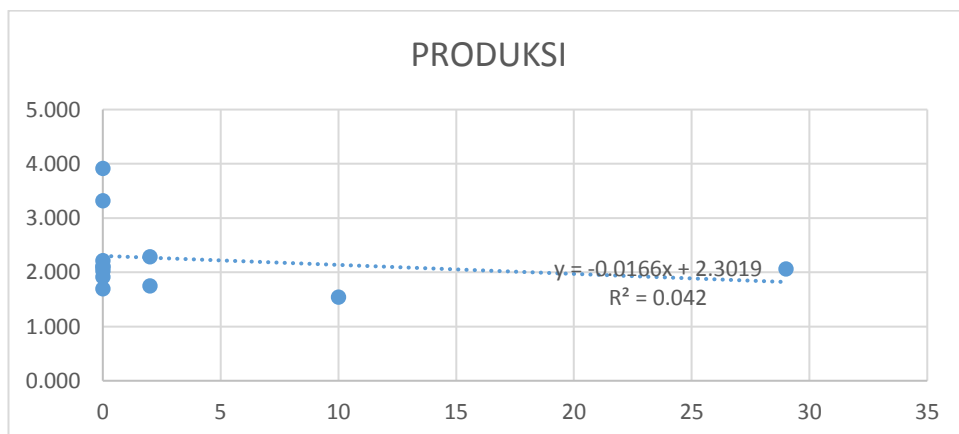
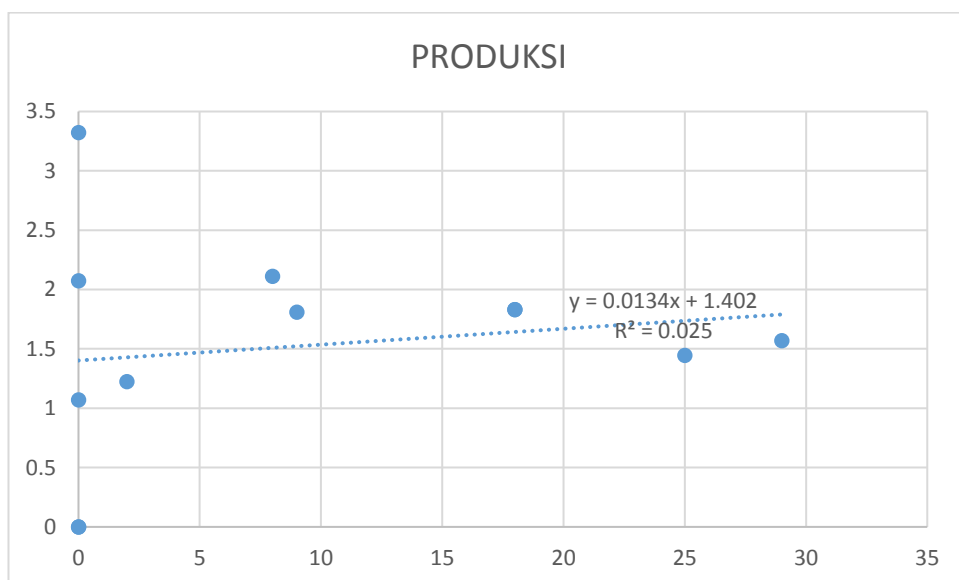
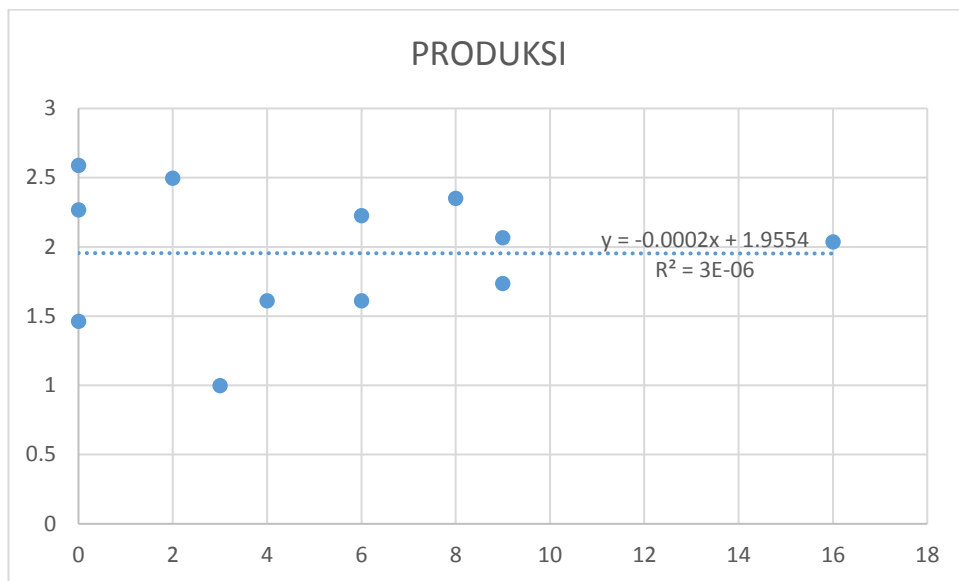
Independent Samples Test										
		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
TINGGI TANAMAN	Equal variances assumed	2.067	0.153	-20.859	118	0.000	-348.10000	16.68836	-381.14749	-315.05251
	Equal variances not assumed			-20.859	116.349	0.000	-348.10000	16.68836	-381.15235	-315.04765
DIAMETER BATANG	Equal variances assumed	1.434	0.234	-0.945	118	0.346	-3.82693	4.04841	-11.84390	4.19003
	Equal variances not assumed			-0.945	64.578	0.348	-3.82693	4.04841	-11.91318	4.25931
JUMLAH PELEPAH	Equal variances assumed	6.120	0.015	6.053	118	0.000	12.78333	2.11182	8.60136	16.96531
	Equal variances not assumed			6.053	81.579	0.000	12.78333	2.11182	8.58193	16.98473
BERAT JANJANG	Equal variances assumed	19.007	0.000	-2.031	118	0.044	-1.40100	0.68974	-2.76688	-0.03512
	Equal variances not assumed			-2.031	59.000	0.047	-1.40100	0.68974	-2.78117	-0.02083
LEBAR PETIOLE	Equal variances assumed	11.640	0.001	-18.956	118	0.000	-3.94333	0.20803	-4.35529	-3.53138
	Equal variances not assumed			-18.956	106.796	0.000	-3.94333	0.20803	-4.35574	-3.53093
PANJANG PELEPAH	Equal variances assumed	15.367	0.000	-14.347	118	0.000	-173.75000	12.11078	-197.73264	-149.76736
	Equal variances not assumed			-14.347	97.000	0.000	-173.75000	12.11078	-197.78654	-149.71346
JUMLAH BUNGA JANTAN	Equal variances assumed	15.001	0.000	2.751	118	0.007	0.43333	0.15752	0.12141	0.74526
	Equal variances not assumed			2.751	103.764	0.007	0.43333	0.15752	0.12096	0.74570
JUMLAH BUNGA BETINA	Equal variances assumed	17.728	0.000	3.144	118	0.002	0.65000	0.20675	0.24058	1.05942
	Equal variances not assumed			3.144	100.967	0.002	0.65000	0.20675	0.23987	1.06013

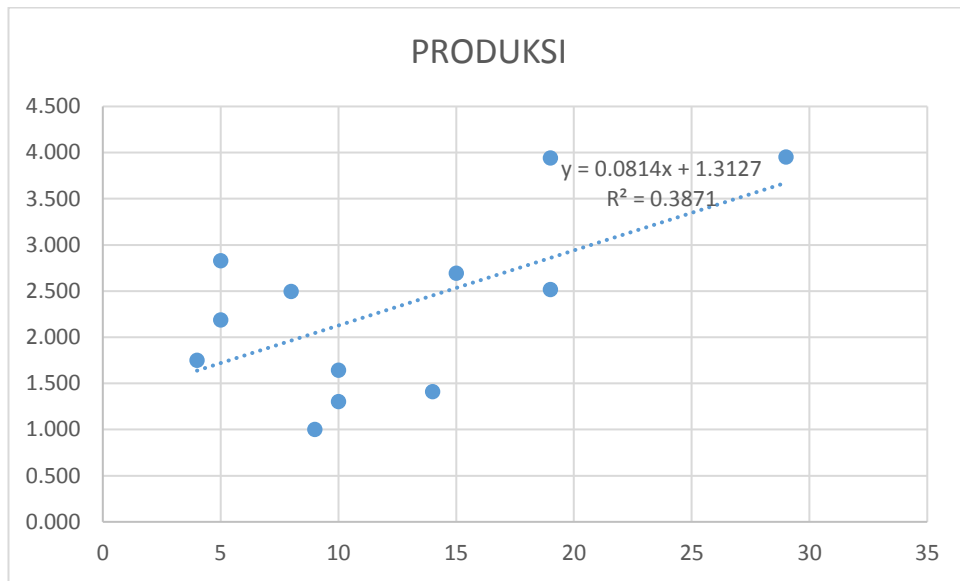
Lampiran 4. Uji t Produksi TBS tahun 2016 – 2020

Independent Samples Test										
		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
PRODUKSI	Equal variances assumed	0.207	0.662	0.050	8	0.961	0.11896	2.36949	-5.34510	5.58302
	Equal variances not assumed			0.050	7.827	0.961	0.11896	2.36949	-5.36621	5.60413

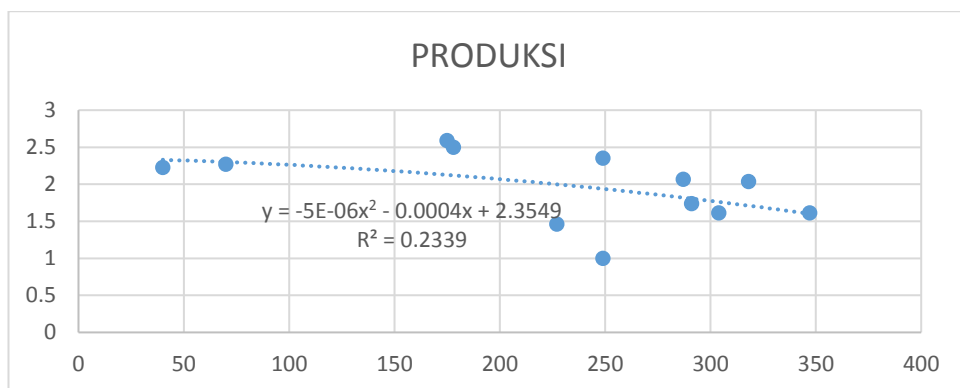
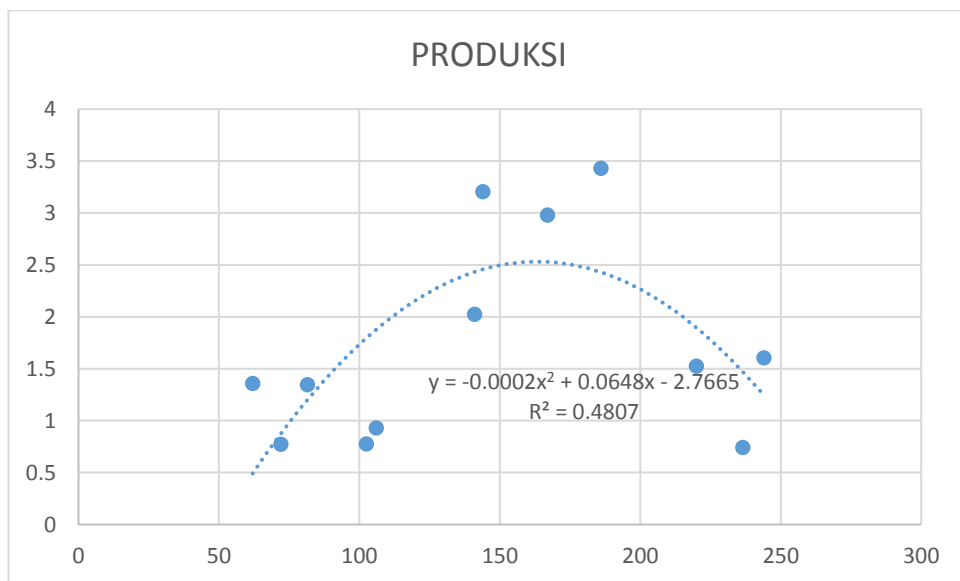
Lampiran 5. Uji Regresi Linear Banjir dengan Produksi TBS

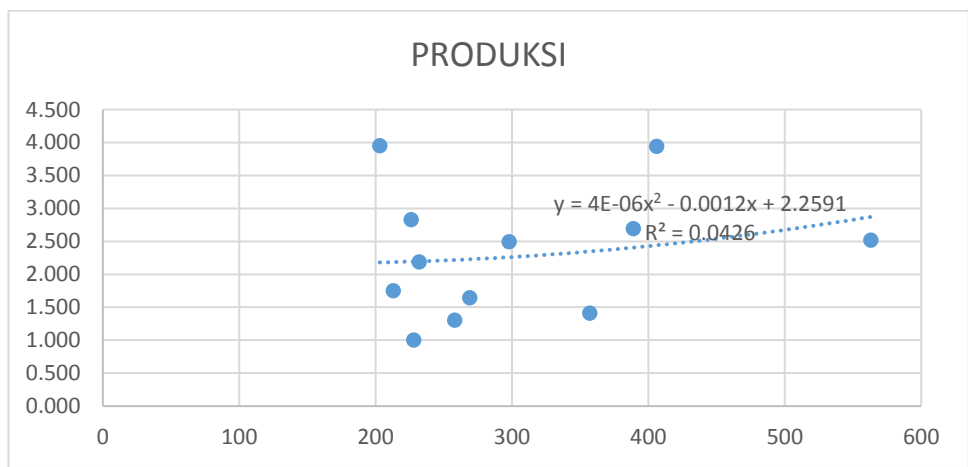
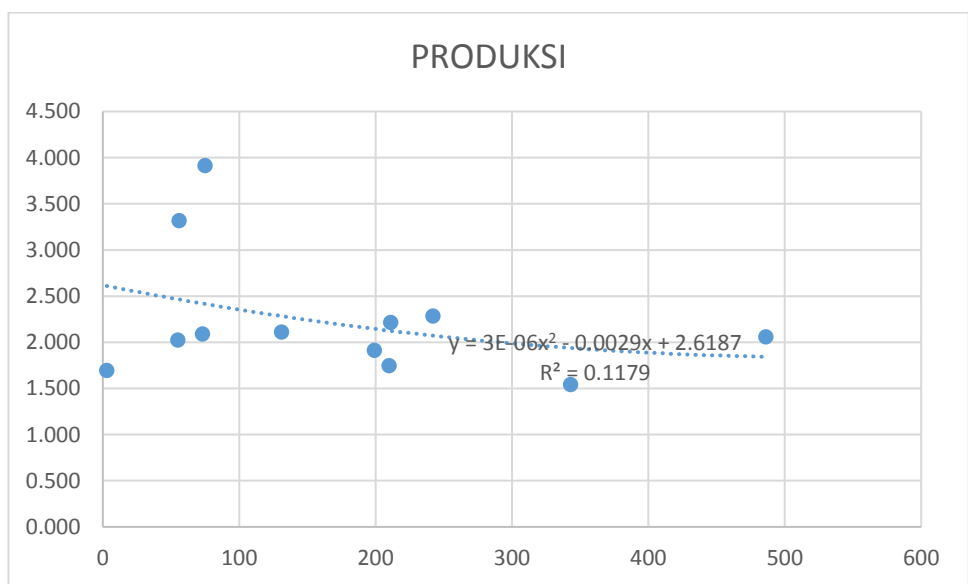
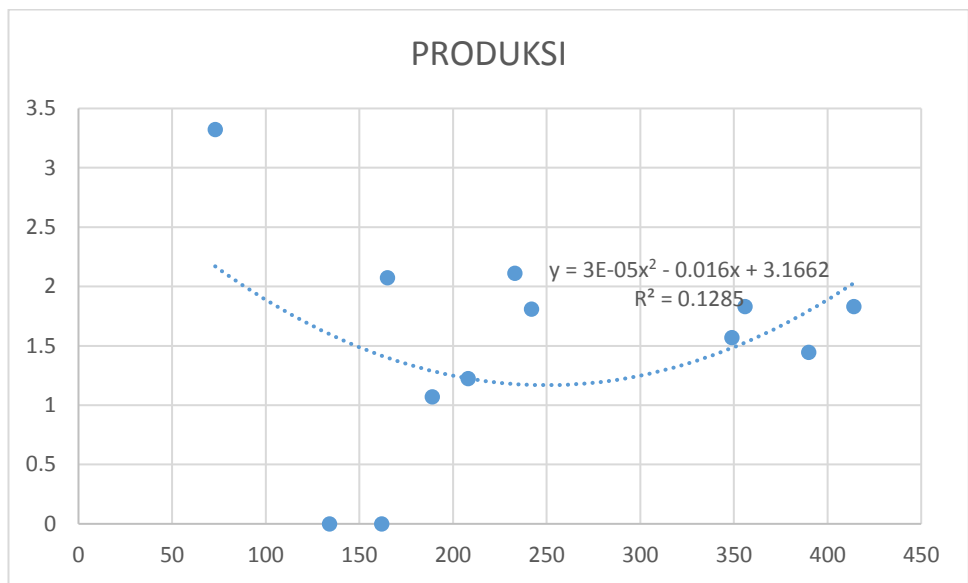






Lampiran 7. Uji Regresi Linear Curah Hujan Dengan Produksi TBS





Lampiran 8. Uji Regresi Linear Curah Hujan dengan Banjir

