

LAMPIRAN



Lampiran 01. Perhitungan ANOVA untuk Pengaruh Intensitas Cahaya Matahari Terhadap Parameter Pertumbuhan *Hylocereus undatus*

Tabel 02. Data rata-rata berat basah

N0	N1	N2	N3
11.5	10.08	10	17.1
14.6	19.3	16.55	18.5
17.5	23.85	16.55	22.1
5.6	5.2	19.75	4.7
6.75	9.63	21.55	8.19
Σ 56.1	68.06	84.4	70.59
\bar{x} 11.2	13.612	16.88	14.118

$$FK = \frac{279.15^2}{4 \times 5} = 3896.236$$

$$JKT = 11.5^2 + 14.6^2 + 17.5^2 + 5.6^2 + \dots + 8.19^2 - 3896.236 = 713.0209$$

$$JKP = \frac{56.1^2 + 68.06^2 + 84.4^2 + 70.59^2}{5} - 3896.236 = 80.90022$$

$$JKG = 713.0209 - 80.90022 = 632.12068$$

$$KTP = \frac{80.90022}{3} = 26.96674$$

$$KTG = \frac{632.12068}{16} = 39.5075425$$

$$F \text{ Hitung} = \frac{26.96674}{39.5075425} = 0.682571$$

$$F \text{ Tabel } 5\% (3,16) = 3.24$$

F Hitung < F Tabel, Jadi Tidak Berbeda Nyata

Tabel 03. Data rata-rata panjang akar

N0	N1	N2	N3
0.26	1.975	4.09	2.2
1.75	4.75	6.92	3.245
5.32	6.19	10.765	7.2
10.39	9.39	11.395	8.18
14.05	10.495	11.46	9
Σ 31.77	32.785	44.63	29.825
\bar{x} 6.354	6.557	8.926	5.965

$$FK = \frac{139.01^2}{4 \times 5} = 966.189005$$

$$JKT = 0.26^2 + 1.75^2 + 5.32^2 + 10.39^2 + \dots + 9^2 - 966.189005 = 290.351945$$

$$JKP = \frac{31.77^2 + 32.785^2 + 44.63^2 + 29.825^2}{5} - 966.189005 = 26.922128$$

$$JKG = 290.351945 - 26.922128 = 263.429817$$

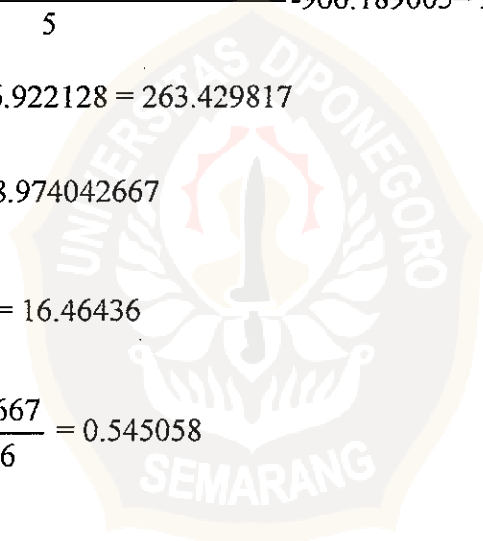
$$KTP = \frac{26.922128}{3} = 8.974042667$$

$$KTG = \frac{263.429817}{16} = 16.46436$$

$$F \text{ Hitung} = \frac{8.974042667}{16.46436} = 0.545058$$

$$F \text{ Tabel } 5\% (3, 16) = 3.24$$

F Hitung < F Tabel, Jadi Tidak Berbeda Nyata



Tabel 04. Data rata-rata kadar klorofil a

N0	N1	N2	N3
0.005011	0.088755	0.06592	0.103464
0.0672	0.122948	0.09313	0.1035
0.09149	0.143126	0.112436	0.11848
0.097138	0.15392	0.120974	0.12323
0.1035	0.181118	0.145982	0.199062
Σ 0.364339	0.689867	0.538442	0.647736
\bar{x} 0.072868	0.137973	0.107688	0.1295472

$$FK = \frac{2.240384^2}{4 \times 5} = 0.250966023$$

$$JKT = 0.005011^2 + 0.0672^2 + 0.09149^2 + 0.097138^2 + \dots + 0.199062^2 - 0.250966023$$

$$= 0.03393902$$

$$JKP = \frac{0.364339^2 + 0.689867^2 + 0.538442^2 + 0.647736^2}{5} - 0.250966023$$

$$= 0.012662196$$

$$JKG = 0.03393902 - 0.012662196 = 0.021276823$$

$$KTP = \frac{0.012662196}{3} = 0.004220732$$

$$KTG = \frac{0.021276823}{16} = 0.00132980$$

$$F \text{ Hitung} = \frac{0.004220732}{0.00132980} = 3.17395$$

$$F \text{ Tabel } 5\% (3,16) = 3.24$$

F Hitung < F Tabel, Jadi Tidak Berbeda Nyata

Tabel 05. Data rata-rata kadar klorofil b

N0	N1	N2	N3
0.02605	0.06906	0.05256	0.05929
0.04588	0.077135	0.05417	0.06375
0.05836	0.0819	0.06832	0.07204
0.06004	0.08647	0.07002	0.07372
0.07764	0.1062	0.10623	0.12594
Σ 0.26797	0.420765	0.3513	0.39474
\bar{x} 0.053594	0.084153	0.07026	0.078948

$$FK = \frac{1.434775^2}{4 \times 5} = 0.102928965$$

$$JKT = 0.02605^2 + 0.04588^2 + 0.05836^2 + 0.06004^2 + \dots + 0.12594^2 - 0.102928965$$

$$= 0.009692$$

$$JKP = \frac{0.026797^2 + 0.420765^2 + 0.3513^2 + 0.39474^2}{5} = 0.00268$$

$$JKG = 0.009692 - 0.00268 = 0.007$$

$$KTP = \frac{0.00268}{3} = 0.00089$$

$$KTG = \frac{0.007}{16} = 0.000437$$

$$F \text{ Hitung} = \frac{0.00089}{0.000437} = 2.036$$

$$F \text{ Tabel } 5\% (3,16) = 3.24$$

F Hitung < F Tabel, Jadi Tidak Berbeda Nyata

Tabel 06. Data rata-rata berat kering

N0	N1	N2	N3
0.91	0.97	1.13	0.71
1.06	1.09	1.4	0.99
1.21	1.52	1.8	1.2
1.65	1.97	1.8	1.41
1.86	2.62	1.89	1.66
Σ 6.69	8.17	8.02	5.97
\bar{x} 1.338	1.634	1.604	1.194

$$FK = \frac{28.85^2}{4 \times 5} = 41.61613$$

$$JKT = 0.91^2 + 1.06^2 + 1.21^2 + 1.65^2 + \dots + 1.66^2 - 41.61613 = 4.123375$$

$$JKP = \frac{6.69^2 + 8.17^2 + 8.02^2 + 5.97^2}{5} - 41.61613 = 0.67713$$

$$JKG = 4.123375 - 0.67713 = 3.44624$$

$$KTP = \frac{0.67713}{3} = 0.22571$$

$$KTG = \frac{3.44624}{16} = 0.21539$$

$$F \text{ Hitung} = \frac{0.22571}{0.21539} = 1.0479$$

$$F \text{ Tabel } 5\% (3,16) = 3.24$$

F Hitung < F Tabel, Jadi Tidak Berbeda Nyata



Tabel 07. Data rata-rata panjang tanaman

N0	N1	N2	N3
12.626	12.685	12.403	12.65
12.786	12.88	12.61	12.74
12.89	12.93	12.71	12.85
12.94	12.985	12.81	12.95
13.235	13.088	12.92	13.11
Σ 64.477	64.568	63.453	64.3
\bar{x} 2.8954	12.9136	12.6906	12.86

$$FK = \frac{256.798}{4 \times 5} = 3297.261$$

$$JKT = 12.626^2 + 12.786^2 + 12.89^2 + 12.94^2 + \dots + 13.11^2 - 3297.261 = 0.73276$$

$$JKP = \frac{64.477^2 + 64.568^2 + 63.453^2 + 64.3^2}{5} - 3297.261 = 0.156$$

$$JKG = 0.73276 - 0.156 = 0.5767$$

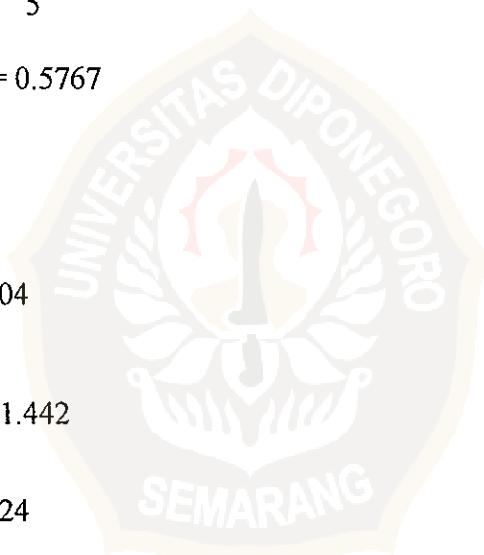
$$KTP = \frac{0.156}{3} = 0.052$$

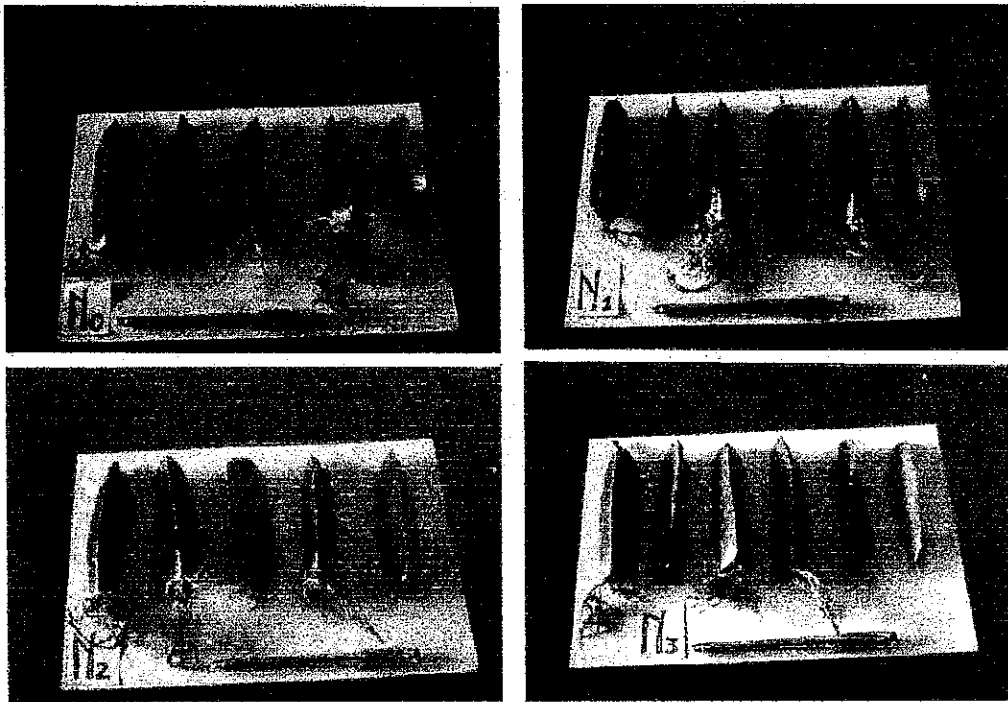
$$KTG = \frac{0.5767}{16} = 0.03604$$

$$F \text{ Hitung} = \frac{0.052}{0.03604} = 1.442$$

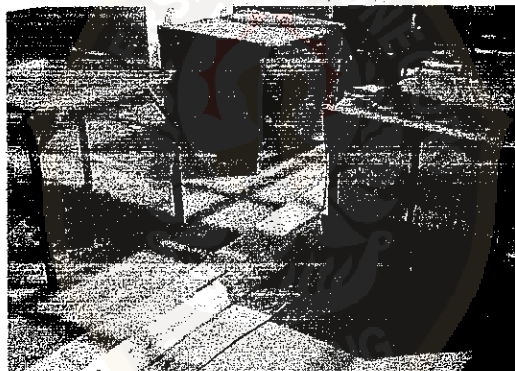
$$F \text{ Tabel } 5\% (3,16) = 3.24$$

F Hitung < F Tabel, Jadi Tidak Berbeda Nyata





Gambar .02 *Hylocereus undatus* setelah perlakuan selama 101 hari



Gambar. 03 *Hylocereus undatus* di dalam naungan

Lampiran 02. Data Intensitas Cahaya Matahari pada Masa Penelitian

N0	N1	N2	N3	N0	N1	N2	N3	N0	N1	N2	N3
07.00-08.30				12.30-14.00				16.30-17.30			
1609	1044	818	438	19040	5970	3110	5120	77	59	38	20
1121	985	585	398	18870	11140	7030	4200	827	702	488	268
1795	1230	578	812	16400	11970	4840	1250	1144	788	609	325
1306	1077	723	498	3850	3830	3850	1270	520	281	82	7
2450	1109	785	380	17930	5970	7590	1047	5	183	17	44
1483	940	829	400	12120	1322	1252	557	331	834	120	168
1855	3180	838	522	11130	3290	2780	2730	95	10	-1	90
1502	908	709	405	3030	4180	5850	2570	-4	-4	81	18
954	757	438	334	8280	11840	8300	888	421	497	312	75
1594	1088	822	329	9500	11850	5440	2020	880	0	315	180
1197	791	403	284	5130	13740	8450	2890	2	513	230	-2
1304	830	494	351	2930	13510	9050	5580	758	319	149	215
919	842	398	285	3590	4710	2270	4400	514	244	329	135
1078	873	418	289	14320	5480	7240	1180	331	509	527	88
1074	730	418	1180	10470	4810	5820	3820	774	717	53	198
1099	852	484	298	10400	4090	7900	4380	1058	87	201	240
1028	1390	774	327	1720	12080	1580	3390	108	315	230	30
1240	902	520	544	15790	3880	2430	843	501	874	57	133
1131	748	497	307	8840	8740	8680	2500	588	90	87	123
1472	833	475	328	3070	10980	8030	5800	124	159	140	33
781	1105	853	268	7780	2650	8190	1130	185	235	129	54
1038	580	354	455	5850	3790	2520	1909	334	201	378	75
985	888	423	238	5800	7030	8190	2240	318	541	234	79
1114	888	391	271	18750	3150	1313	1385	967	382	201	223
1158	454	395	249	4880	1933	8290	791	807	283	289	150
1010	828	442	317	15730	10850	2080	4770	427	374	157	95
1171	834	487	310	9370	3120	3270	1151	452	221	160	152
1027	918	503	343	4170	7790	2830	2840	91	303	217	91
1370	744	445	278	5540	7220	1899	2290	110	291	254	110
1837	1008	827	398	14010	11250	8200	4530	120	387	214	120
1107	1050	830	433	8220	5180	5820	2470	189	348	143	189
1114	889	514	328	14980	8100	1793	2320	135	221	248	135
1159	881	508	335	14850	8940	4530	3030	333	478	148	88
1238	883	508	328	3930	8520	3800	3310	331	235	275	144
1088	982	528	277	4740	5980	5380	1580	390	455	173	179
1148	781	398	278	4910	3970	5130	1438	597	279	153	102
1278	817	477	294	5890	7270	3630	2400	398	257	310	105
989	942	513	324	18180	8190	1351	2180	388	480	390	181
2780	905	480	280	8760	2300	1879	875	784	853	81	242
1187	1790	1031	818	3390	3790	3740	2180	981	228	324	82
1838	878	478	307	5070	3080	3940	1159	387	555	81	197
1381	1447	785	499	2950	5920	3950	1730	724	109	324	37
1033	1230	591	406	1107	8150	1485	3560	177	808	81	214
1298	915	495	313	9450	8040	3790	2830	843	533	378	179
1219	1199	817	387	13110	2430	1039	884	720	325	340	107
1107	1122	550	327	18140	3300	1583	2830	488	282	189	94
1487	958	488	318	9110	1842	8340	851	339	152	154	51
1058	1154	598	381	10510	2590	1803	2850	234	215	97	75
1495	878	503	299	5280	7720	7840	1407	292	278	133	91
1094	4380	839	520	5010	2910	8430	1027	422	281	159	118
1193	791	418	289	12710	11890	1970	5800	432	302	188	139
1427	885	507	292	5320	9080	3390	3040	437	140	191	118
1184	1095	804	433	11240	2770	4930	952	229	150	81	110
2150	939	580	320	5180	2940	4720	882	217	324	95	47

0	N1	N2	N3	N0	N1	N2	N3	N0	N1	N2	N3
07.00-08.30				12.30-14.00				16.30-17.30			
1844	1474	737	478	1820	4060	5580	1055	485	228	188	58
878	1203	700	408	8880	3720	3700	2280	335	81	139	120
	2120	1014	852	4970	3850	2780	1347	87	318	35	78
	2780	1383	938	18300	3880	3520	1258	385	122	190	21
	73	745	405	8020	3920	4810	1457	178	213	75	110
	739	471	18040	5330	1351	1504	315	488	140	42	
	855	859	15310	7500	1803	798	722	279	308	81	
	597	453	15970	3030	2070	1117	442	138	195	157	
	502	311	3380	8740	4940	5810	208	488	88	114	
	37	515	298	17880	3150	1742	2080	891	158	291	45
	72	545	302	7000	9570	3040	3080	280	877	94	187
	2310	877	401	17030	10150	1404	241	1255	500	549	80
	1909	1058	651	11580	9970	4890	5520	704	264	304	358
	898	880	521	20400	2280	2230	797	122	91	44	175
	841	511	307	3680	9720	5730	3490	481	305	189	27
	854	518	273	2870	5180	5820	2480	148	178	49	99
	531	477	274	3520	9080	3430	3210	443	99	194	28
	1020	328	198	2740	8700	1155	3130	271	48	112	111
3	1058	549	348	5930	11820	1183	1740	155	182	58	84
9	1811	580	358	5190	2210	1414	742	77	151	27	35
40	784	885	574	4550	1750	1289	645	294	32	122	15
58	1138	458	273	15800	2140	2280	740	231	377	89	78
780	1357	328	178	9480	1847	6810	742	50	301	18	49
1838	1231	724	398	18890	3570	8580	1317	384	153	144	88
5150	1810	773	459	3430	2980	3340	944	680	182	276	10
3310	1132	707	430	3840	4370	4120	1131	478	183	210	55
6510	1759	901	549	15390	8140	3190	984	235	189	95	84
4050	2180	801	408	18430	3090	3900	1091	250	144	118	72
5300	1072	942	1515	4100	9900	1055	1651	281	430	122	65
2870	1009	999	998	8130	2220	5090	920	292	47	108	48
3340	1571	718	428	8080	1784	4180	585	220	274	95	168
4790	1813	594	297		8540	2880	1493	857		283	14
2170	1906	1001	525		8770	4300	1135	74		28	93
5990	1552	985	844		3480	4140	714	413		184	
6860		1081	859		2800		1214				
		2250	573		4880		1948				
			23								
174941	108409	57239	38047	774177	532138	350853	190270	35055	25489	18062	9284
1965.83	1209.18	635.989	418.099	9107.96	6912.84	3986.97	2114.11	398.362	289.636	182.823	106.713