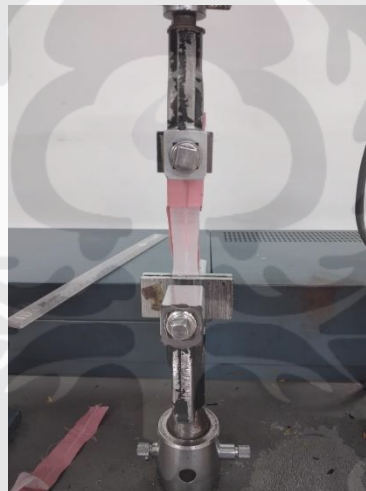


LAMPIRAN

Lampiran 1 Contoh Uji Pelekatan *Seal Tape*



Lampiran 2 Proses Uji Lekat Kain



Lampiran 3 Proses Uji Daya Tahan Air (*Bundessman*)



Lampiran 4 Hasil Uji Daya Tahan Air (*Bundessman*)



Lampiran 5 Grafik Hasil Uji Daya Lekat



Lampiran 6 Data Pengujian Lekat Kain Contoh Uji Poliester

Suhu (°C)	Kec (m/min)	N	$\bar{X}$	$\sum (x - \bar{x})^2$	SD	CV
350	4	5	5.34	1.15	$SD = \sqrt{\frac{\sum (x - \bar{x})^2}{n - 1}}$ $= \sqrt{\frac{1.15}{5 - 1}}$ $= \sqrt{0.2875}$ $= 0.54$	$CV = \frac{SD}{\bar{X}} \times 100\%$ $= \frac{0.54}{5.34} \times 100\%$ $= 10.1$
360	5	5	5.34	1.8916	$SD = \sqrt{\frac{\sum (x - \bar{x})^2}{n - 1}}$	$CV = \frac{SD}{\bar{X}} \times 100\%$ $= \frac{0.69}{5.34} \times 100\%$ $= 12.9$

Suhu (°C)	Kec (m/min)	N	$\bar{X}$	$\sum (x - \bar{x})^2$	SD	CV
370	6	5	4.88	1.0192	$= \sqrt{\frac{1.8916}{5-1}}$ $= \sqrt{0.4729}$ $= 0.69$ $SD = \sqrt{\frac{\sum (x - \bar{x})^2}{n-1}}$ $SD = \sqrt{\frac{1.0192}{5-1}}$ $SD = \sqrt{0.2548}$ $SD = 0.50$	$CV = \frac{SD}{\bar{X}} \times 100\%$ $= \frac{0.50}{4.88} \times 100\%$ $= 10.2$

Lampiran 7 Data Pengujian Lekat Kain Contoh Uji Nilon

Suhu (°C)	Kec (m/min)	N	$\bar{X}$	$\sum (x - \bar{x})^2$	SD	CV
350	4	5	2.84	2.73	$SD = \sqrt{\frac{\sum (x - \bar{x})^2}{n-1}}$ $= \sqrt{\frac{2.73}{5-1}}$ $= \sqrt{0.6825}$ $= 0.83$	$CV = \frac{SD}{\bar{X}} \times 100\%$ $= \frac{0.83}{2.73} \times 100\%$ $= 29$
360	5	5	2.98	0.5625	$SD = \sqrt{\frac{\sum (x - \bar{x})^2}{n-1}}$ $= \sqrt{\frac{0.5625}{5-1}}$ $= \sqrt{0.140625}$ $= 0.375$	$CV = \frac{SD}{\bar{X}} \times 100\%$ $= \frac{0.375}{2.98} \times 100\%$ $= 12.5$
370	6	5	3.31	6.46	$SD = \sqrt{\frac{\sum (x - \bar{x})^2}{n-1}}$ $SD = \sqrt{\frac{6.46}{5-1}}$ $SD = \sqrt{1.615}$ $SD = 1.27$	$CV = \frac{SD}{\bar{X}} \times 100\%$ $= \frac{1.27}{3.31} \times 100\%$ $= 38$

Lampiran 8 Data Hasil Pengujian Daya Tahan Air Contoh Uji Poliester

	350°C – 4 m/min	360°C – 4 m/min	370°C – 4 m/min
Penyerapan (%)	$= \frac{\sum bb - \sum bk}{\sum bk} \times 100\%$ $= \frac{15.92 - 13.59}{13.59} \times 100\%$ $= 17$	$= \frac{\sum bb - \sum bk}{\sum bk} \times 100\%$ $= \frac{16.04 - 13.33}{13.33} \times 100\%$ $= 20$	$= \frac{\sum bb - \sum bk}{\sum bk} \times 100\%$ $= \frac{16.58 - 13.24}{13.24} \times 100\%$ $= 25$

Lampiran 9 Data Hasil Pengujian Daya Tahan Air Contoh Uji Nilon

	350°C – 4 m/min	360°C – 4 m/min	370°C – 4 m/min
Penyerapan (%)	$\frac{\sum bb - \sum bk}{\sum bk} \times 100\%$	$\frac{\sum bb - \sum bk}{\sum bk} \times 100\%$	$\frac{\sum bb - \sum bk}{\sum bk} \times 100\%$
	$= \frac{11.29 - 8.62}{8.62} \times 100\%$	$= \frac{11.24 - 8.94}{8.94} \times 100\%$	$= \frac{12.16 - 8.75}{8.75} \times 100\%$
	= 30	= 25	= 38

Lampiran 10 Uji Gramasi Sampel Nilon



Lampiran 11 Uji Gramasi Sampel Poliester



Lampiran 12 F Tabel Uji Anova

Lampiran F tabel

df untuk penyebut (N2)	df untuk pembilang (N1)														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	161	199	216	225	230	234	237	239	241	242	243	244	245	245	246
2	18.51	19.00	19.16	19.25	19.30	19.33	19.35	19.37	19.38	19.40	19.40	19.41	19.42	19.42	19.43
3	10.13	9.55	9.28	9.12	9.01	8.94	8.89	8.85	8.81	8.79	8.76	8.74	8.73	8.71	8.70
4	7.71	6.94	6.59	6.39	6.26	6.16	6.09	6.04	6.00	5.96	5.94	5.91	5.89	5.87	5.86
5	6.61	5.79	5.41	5.19	5.05	4.95	4.88	4.82	4.77	4.74	4.70	4.68	4.66	4.64	4.62
6	5.99	5.14	4.76	4.53	4.39	4.28	4.21	4.15	4.10	4.06	4.03	4.00	3.98	3.96	3.94
7	5.59	4.74	4.35	4.12	3.97	3.87	3.79	3.73	3.68	3.64	3.60	3.57	3.55	3.53	3.51
8	5.32	4.46	4.07	3.84	3.69	3.58	3.50	3.44	3.39	3.35	3.31	3.28	3.26	3.24	3.22
9	5.12	4.26	3.86	3.63	3.48	3.37	3.29	3.23	3.18	3.14	3.10	3.07	3.05	3.03	3.01
10	4.96	4.10	3.71	3.48	3.33	3.22	3.14	3.07	3.02	2.98	2.94	2.91	2.89	2.86	2.85
11	4.84	3.98	3.59	3.36	3.20	3.09	3.01	2.95	2.90	2.85	2.82	2.79	2.76	2.74	2.72
12	4.75	3.89	3.49	3.26	3.11	3.00	2.91	2.85	2.80	2.75	2.72	2.69	2.66	2.64	2.62
13	4.67	3.81	3.41	3.18	3.03	2.92	2.83	2.77	2.71	2.67	2.63	2.60	2.58	2.55	2.53
14	4.60	3.74	3.34	3.11	2.96	2.85	2.76	2.70	2.65	2.60	2.57	2.53	2.51	2.48	2.46
15	4.54	3.68	3.29	3.06	2.90	2.79	2.71	2.64	2.59	2.54	2.51	2.48	2.45	2.42	2.40
16	4.49	3.63	3.24	3.01	2.85	2.74	2.66	2.59	2.54	2.49	2.46	2.42	2.40	2.37	2.35
17	4.45	3.59	3.20	2.96	2.81	2.70	2.61	2.55	2.49	2.45	2.41	2.38	2.35	2.33	2.31
18	4.41	3.55	3.16	2.93	2.77	2.66	2.58	2.51	2.46	2.41	2.37	2.34	2.31	2.29	2.27
19	4.38	3.52	3.13	2.90	2.74	2.63	2.54	2.48	2.42	2.38	2.34	2.31	2.28	2.26	2.23
20	4.35	3.49	3.10	2.87	2.71	2.60	2.51	2.45	2.39	2.35	2.31	2.28	2.25	2.22	2.20
21	4.32	3.47	3.07	2.84	2.68	2.57	2.49	2.42	2.37	2.32	2.28	2.25	2.22	2.20	2.18
22	4.30	3.44	3.05	2.82	2.66	2.55	2.46	2.40	2.34	2.30	2.26	2.23	2.20	2.17	2.15
23	4.28	3.42	3.03	2.80	2.64	2.53	2.44	2.37	2.32	2.27	2.24	2.20	2.18	2.15	2.13
24	4.26	3.40	3.01	2.78	2.62	2.51	2.42	2.36	2.30	2.25	2.22	2.18	2.15	2.13	2.11
25	4.24	3.39	2.99	2.76	2.60	2.49	2.40	2.34	2.28	2.24	2.20	2.16	2.14	2.11	2.09
26	4.23	3.37	2.98	2.74	2.59	2.47	2.39	2.32	2.27	2.22	2.18	2.15	2.12	2.09	2.07
27	4.21	3.35	2.96	2.73	2.57	2.46	2.37	2.31	2.25	2.20	2.17	2.13	2.10	2.08	2.06
28	4.20	3.34	2.95	2.71	2.56	2.45	2.36	2.29	2.24	2.19	2.15	2.12	2.09	2.06	2.04
29	4.18	3.33	2.93	2.70	2.55	2.43	2.35	2.28	2.22	2.18	2.14	2.10	2.08	2.05	2.03
30	4.17	3.32	2.92	2.69	2.53	2.42	2.33	2.27	2.21	2.16	2.13	2.09	2.06	2.04	2.01
31	4.16	3.30	2.91	2.68	2.52	2.41	2.32	2.25	2.20	2.15	2.11	2.08	2.05	2.03	2.00
32	4.15	3.29	2.90	2.67	2.51	2.40	2.31	2.24	2.19	2.14	2.10	2.07	2.04	2.01	1.99
33	4.14	3.28	2.89	2.66	2.50	2.39	2.30	2.23	2.18	2.13	2.09	2.06	2.03	2.00	1.98
34	4.13	3.28	2.88	2.65	2.49	2.38	2.29	2.23	2.17	2.12	2.08	2.05	2.02	1.99	1.97
35	4.12	3.27	2.87	2.64	2.49	2.37	2.29	2.22	2.16	2.11	2.07	2.04	2.01	1.99	1.96
36	4.11	3.26	2.87	2.63	2.48	2.36	2.28	2.21	2.15	2.11	2.07	2.03	2.00	1.98	1.95
37	4.11	3.25	2.86	2.63	2.47	2.36	2.27	2.20	2.14	2.10	2.06	2.02	2.00	1.97	1.95
38	4.10	3.24	2.85	2.62	2.46	2.35	2.26	2.19	2.14	2.09	2.05	2.02	1.99	1.96	1.94
39	4.09	3.24	2.85	2.61	2.46	2.34	2.26	2.19	2.13	2.08	2.04	2.01	1.98	1.95	1.93
40	4.08	3.23	2.84	2.61	2.45	2.34	2.25	2.18	2.12	2.08	2.04	2.00	1.97	1.95	1.92
41	4.08	3.23	2.83	2.60	2.44	2.33	2.24	2.17	2.12	2.07	2.03	2.00	1.97	1.94	1.92
42	4.07	3.22	2.83	2.59	2.44	2.32	2.24	2.17	2.11	2.06	2.03	1.99	1.96	1.94	1.91
43	4.07	3.21	2.82	2.59	2.43	2.32	2.23	2.16	2.11	2.06	2.02	1.99	1.96	1.93	1.91
44	4.06	3.21	2.82	2.58	2.43	2.31	2.23	2.16	2.10	2.05	2.01	1.98	1.95	1.92	1.90
45	4.06	3.20	2.81	2.58	2.42	2.31	2.22	2.15	2.10	2.05	2.01	1.97	1.94	1.92	1.89

F tabel = k ; n-k

F tabel = 2 ; 40-2=38

dimana :Dimana "k" adalah jumlah variabel independen, sementara "n" adalah jumlah responden

Lampiran 13 Data Perhitungan Kuadrat Uji Daya Lekat Kain Poliester

Variasi Suhu dan Kecepatan	Kuadrat	Jumlah
350°C dan 4 m/min	36 33.64 27.04 24.01 23.04	143.73
360°C dan 5 m/min	27.04 37.21 33.64 18.49 28.09	144.47
360°C dan 5 m/min	18.49 23.04 32.49 23.04 23.04	120.1
	$\sum x$	408.3

Lampiran 14 Data Analisis Anova Uji Daya Lekat Kain Poliester

SK	JK	dB	KT	F_{hitung}	F_{tabel}
Perlakuan	$JKP = \frac{\sum P^2}{n} - \frac{\sum x^2}{N}$ $JKP = \frac{26.7^2 + 26.7^2 + 24.42^2}{5} - \frac{(77.8)^2}{15}$ $JKP = \frac{712.89 + 712.89 + 595.36}{5} - \frac{(77.8)^2}{15}$ $JKP = \frac{2021.14}{5} - \frac{6052.84}{15}$ $JKP = 404.228 - 403.523$ $JKP = 0.705$	$dBP = K - 1$ $dBP = 3 - 1$ $dBP = 2$	$KTP = \frac{JKP}{dBP}$ $KTP = \frac{0.705}{2}$ $KTP = 0.3525$	$F_{hitung} = \frac{KTP}{KTG}$ $F_{hitung} = \frac{0.3525}{0.34}$ $F_{hitung} = 0.001$	$F_{tabel} = 0.05(dBP; dBG)$ $F_{tabel} = 03.89$
Galat	$JKG = JKT - JKP$ $JKG = 4.78 - 0.705$ $JKG = 4.075$	$dBG = dBT - dBP$ $dBG = 14 - 2$ $dBG = 12$	$KTG = \frac{JKG}{dBG}$ $KTG = \frac{4.075}{12}$ $KTG = 0.34$		
Total	$JKT = \sum x^2 - \frac{(\sum x)^2}{N}$ $JKT = 408.3 - \frac{(77.8)^2}{15}$ $JKT = 408.3 - \frac{6052.84}{15}$ $JKT = 408.3 - 403.52$ $JKT = 4.78$	$dBT = N - 1$ $dBT = 15 - 1$ $dBT = 14$			

Lampiran 15 Data Perhitungan Kuadrat Uji Daya Lekat Kain Nilon

Variasi Suhu dan Kecepatan	Kuadrat	Jumlah
350°C dan 4 m/min	14.8996 11.7649 11.0889 9.9225 6.0516	53.7275
360°C dan 5 m/min	9.9225	44.9614

Variasi Suhu dan Kecepatan	Kuadrat	Jumlah
360°C dan 5 m/min	5.9536	57.3919
	7.7284	
	11.56	
	9.7969	
	17.7241	
	4.5796	
	8.3521	
	14.0625	
	12.6736	156.0808
	$\sum x$	

Lampiran 16 Data Analisa ANOVA Uji Daya Lekat Kain Nilon

SK	JK	dB	KT	F _{hitung}	F _{tabel}
Perlakuan	$JKP = \frac{\sum p^2}{n} - \frac{\sum x^2}{N}$ $JKP = \frac{14.23^2 + 14.9^2 + 16.55^2}{5} - \frac{(45.68)^2}{15}$ $JKP = \frac{202.4929 + 222.01 + 273.9025}{5} - \frac{(45.68)^2}{15}$ $JKP = \frac{698.405}{5} - \frac{2086.6620}{15}$ $JKP = 139.68108 - 139.1108$ $JKP = 0.57028$	$dB = K - 1$ $dB = 3 - 1$ $dB = 2$	$KTP = \frac{JKP}{dB}$ $KTP = \frac{0.57028}{2}$ $KTP = 0.28514$	$F_{hitung} = \frac{KTP}{KTG}$ $F_{hitung} = \frac{0.28514}{1.3666}$ $F_{hitung} = 0.208$	$F_{tabel} = 0.05(dBP; dBG)$ $F_{tabel} = 03.89$
Galat	$JKG = JKT - JKP$ $JKG = 16.97 - 0.57028$ $JKG = 16.39972$	$dBG = dBT - dB$ $dBG = 14 - 2$ $dBG = 12$	$KTG = \frac{JKG}{dBG}$ $KTG = \frac{16.39972}{12}$ $KTG = 1.3666$		
Total	$JKT = \sum x^2 - \frac{(\sum x)^2}{N}$ $JKT = 156.0808 - \frac{(45.68)^2}{15}$ $JKT = 156.0808 - \frac{2086.6624}{15}$ $JKT = 156.0808 - 139.1108$ $JKT = 16.97$	$dBT = N - 1$ $dBT = 15 - 1$ $dBT = 14$			

Lampiran 17 Data Penyerapan CU Poliester Uji Daya Tahan Air (Bundessman)

Variasi Suhu dan Kecepatan	Berat Kain (gr)
350°C dan 4 m/min	$= \frac{\text{Berat Basah} - \text{Berat Kering}}{\text{Berat Kering}} \times 100\%$ $= \frac{4.11 - 3.20}{3.20} \times 100\% = 0.284375 = 28\%$ $= \frac{\text{Berat Basah} - \text{Berat Kering}}{\text{Berat Kering}} \times 100\%$ $= \frac{3.67 - 3.20}{3.20} \times 100\% = 0.146875 = 14\%$ $= \frac{\text{Berat Basah} - \text{Berat Kering}}{\text{Berat Kering}} \times 100\%$ $= \frac{3.91 - 3.62}{3.62} \times 100\% = 0.08011 = 8\%$

Variasi Suhu dan Kecepatan	Berat Kain (gr)
360°C dan 5 m/min	$= \frac{\text{Berat Basah} - \text{Berat Kering}}{\text{Berat Kering}} \times 100\%$
	$= \frac{4.23 - 3.57}{3.57} \times 100\% = 0.184874 = 18\%$
	$= \frac{\text{Berat Basah} - \text{Berat Kering}}{\text{Berat Kering}} \times 100\%$
	$= \frac{4.58 - 3.33}{3.33} \times 100\% = 0.375375 = 37\%$
	$= \frac{\text{Berat Basah} - \text{Berat Kering}}{\text{Berat Kering}} \times 100\%$
	$= \frac{3.31 - 3.01}{3.01} \times 100\% = 0.099668 = 9\%$
370°C dan 6 m/min	$= \frac{\text{Berat Basah} - \text{Berat Kering}}{\text{Berat Kering}} \times 100\%$
	$= \frac{4.14 - 3.59}{3.59} \times 100\% = 0.153203 = 15\%$
	$= \frac{\text{Berat Basah} - \text{Berat Kering}}{\text{Berat Kering}} \times 100\%$
	$= \frac{4.01 - 3.40}{3.40} \times 100\% = 0.179411 = 17\%$
	$= \frac{\text{Berat Basah} - \text{Berat Kering}}{\text{Berat Kering}} \times 100\%$
	$= \frac{4.44 - 3.51}{3.51} \times 100\% = 0.264957 = 26\%$
	$= \frac{\text{Berat Basah} - \text{Berat Kering}}{\text{Berat Kering}} \times 100\%$
	$= \frac{4.13 - 3.27}{3.27} \times 100\% = 0.262997 = 26\%$
	$= \frac{\text{Berat Basah} - \text{Berat Kering}}{\text{Berat Kering}} \times 100\%$
	$= \frac{3.89 - 3.15}{3.15} \times 100\% = 0.234921 = 23\%$
	$= \frac{\text{Berat Basah} - \text{Berat Kering}}{\text{Berat Kering}} \times 100\%$
	$= \frac{4.12 - 3.31}{3.31} \times 100\% = 0.244713 = 24\%$

Lampiran 18 Data Perhitungan Kuadrat Berat Kain Poliester Uji Daya Tahan Air (*Bundessman*)

Variasi Suhu dan Kecepatan	Kuadrat	Jumlah
350°C dan 4 m/min	0.081	0.143
	0.022	
	0.006	
	0.034	
360°C dan 5 m/min	0.141	0.295
	0.099	
	0.023	
	0.032	
370°C dan 6 m/min	0.071	0.255
	0.069	
	0.055	
	0.06	

Variasi Suhu dan Kecepatan	Kuadrat	Jumlah
$\sum x$		0.693

Lampiran 19 Data Analisis Anova Uji Daya Tahan Air (Bundessman) Pada Kain Poliester

SK	JK	dB	KT	F _{hitung}	F _{tabel}
Perlakuan	$JKP = \frac{\sum P^2}{n} - \frac{\sum x^2}{N}$ $JKP = \frac{0.696^2 + 1.417^2 + 1.007^2}{4} - \frac{(3.12)^2}{12}$ $JKP = \frac{0.484 + 2.008 + 1.014}{4} - \frac{(3.12)^2}{12}$ $JKP = \frac{2.499}{4} - \frac{9.7344}{12}$ $JKP = 0.62478 - 0.8112$ $JKP = -0.18645$	$dB P = K - 1$ $dB P = 3 - 1$ $dB P = 2$	$KTP = \frac{JKP}{dB P}$ $KTP = \frac{-0.18645}{2}$ $KTP = -0.093225$	$F_{hitung} = \frac{KTP}{KTG}$ $F_{hitung} = \frac{-0.093225}{-0.03385}$ $F_{hitung} = 2.754$	$F_{tabel} = 0.05(dBP; dB G)$ $F_{tabel} = 4.26$
Galat	$JKG = JKT - JKP$ $JKG = -0.1182 - 0.18645$ $JKG = -0.30465$	$dB G = dB T - dB P$ $dB G = 11 - 2$ $dB G = 9$	$KTG = \frac{JKG}{dB G}$ $KTG = \frac{-0.30465}{9}$ $KTG = -0.03385$		
Total	$JKT = \sum x^2 - \frac{(\sum x)^2}{N}$ $JKT = 0.693 - \frac{(3.12)^2}{12}$ $JKT = 0.693 - \frac{9.7344}{12}$ $JKT = 0.693 - 0.8112$ $JKT = -0.1182$	$dB T = N - 1$ $dB T = 12 - 1$ $dB T = 11$			

Lampiran 20 Data Penyerapan Air CU Nilon Uji Daya Tahan Air (Bundessman)

Variasi Suhu dan Kecepatan	Berat Kain (gr)
350°C dan 4 m/min	$= \frac{\text{Berat Basah} - \text{Berat Kering}}{\text{Berat Kering}} \times 100\%$ $= \frac{2.89 - 2.27}{2.27} \times 100\% = 0.273 = 27\%$ $= \frac{\text{Berat Basah} - \text{Berat Kering}}{\text{Berat Kering}} \times 100\%$ $= \frac{3.50 - 2.13}{2.13} \times 100\% = 0.174 = 17\%$ $= \frac{\text{Berat Basah} - \text{Berat Kering}}{\text{Berat Kering}} \times 100\%$ $= \frac{3.20 - 2.21}{2.21} \times 100\% = 0.448 = 44\%$ $= \frac{\text{Berat Basah} - \text{Berat Kering}}{\text{Berat Kering}} \times 100\%$ $= \frac{2.70 - 2.01}{2.01} \times 100\% = 0.343 = 34\%$
360°C dan 5 m/min	$= \frac{\text{Berat Basah} - \text{Berat Kering}}{\text{Berat Kering}} \times 100\%$ $= \frac{3.15 - 2.15}{2.15} \times 100\% = 0.465 = 46\%$ $= \frac{\text{Berat Basah} - \text{Berat Kering}}{\text{Berat Kering}} \times 100\%$ $= \frac{2.90 - 2.30}{2.30} \times 100\% = 0.261 = 26\%$ $= \frac{\text{Berat Basah} - \text{Berat Kering}}{\text{Berat Kering}} \times 100\%$

Variasi Suhu dan Kecepatan	Berat Kain (gr)
370°C dan 6 m/min	$= \frac{2.58 - 2.26}{2.26} \times 100\% = \mathbf{0.142 = 14\%}$
	$= \frac{\text{Berat Basah} - \text{Berat Kering}}{\text{Berat Kering}} \times 100\%$
	$= \frac{2.61 - 2.23}{2.23} \times 100\% = \mathbf{0.17 = 17\%}$
	$= \frac{\text{Berat Basah} - \text{Berat Kering}}{\text{Berat Kering}} \times 100\%$
	$= \frac{2.96 - 2.29}{2.29} \times 100\% = \mathbf{0.292 = 29\%}$
	$= \frac{\text{Berat Basah} - \text{Berat Kering}}{\text{Berat Kering}} \times 100\%$
	$= \frac{3.05 - 2.30}{2.30} \times 100\% = \mathbf{0.326 = 32\%}$
	$= \frac{\text{Berat Basah} - \text{Berat Kering}}{\text{Berat Kering}} \times 100\%$
	$= \frac{3.21 - 2.11}{2.11} \times 100\% = \mathbf{0.521 = 52\%}$
	$= \frac{\text{Berat Basah} - \text{Berat Kering}}{\text{Berat Kering}} \times 100\%$
	$= \frac{2.96 - 2.05}{2.05} \times 100\% = \mathbf{0.444 = 44\%}$

Lampiran 21 Data Perhitungan Kuadrat Berat Kain Nilon Uji Daya Tahan Air (Bundessman)

Variasi Suhu dan Kecepatan	Kuadrat	Jumlah
350°C dan 4 m/min	0.075	0.424
	0.03	
	0.201	
360°C dan 5 m/min	0.118	0.333
	0.216	
	0.068	
	0.02	
370°C dan 6 m/min	0.029	0.659
	0.085	
	0.106	
	0.271	
	0.197	
$\sum x$		1.416

Lampiran 22 Data Analisis ANOVA Uji Daya Tahan Air (*Bundessman*) Pada Kain Nilon

SK	JK	dB	KT	F_{hitung}	F_{tabel}
Perlakuan	$JKP = \frac{\sum p^2}{n} - \frac{\sum x^2}{N}$ $JKP = \frac{0.696^2 + 1.417^2 + 1.007^2}{4} - \frac{(3.12)^2}{12}$ $JKP = \frac{0.484 + 2.008 + 1.014}{4} - \frac{(3.12)^2}{12}$ $JKP = \frac{3.506}{4} - \frac{9.7344}{12}$ $JKP = 0.8765 - 0.8112$ $JKP = 0.0653$	$dB P = K - 1$ $dB P = 3 - 1$ $dB P = 2$	$KTP = \frac{JKP}{dB P}$ $KTP = \frac{0.038}{2}$ $KTP = 0.019$	$F_{hitung} = \frac{KTP}{KTG}$ $F_{hitung} = \frac{0.019}{0.015}$ $F_{hitung} = 1.267$	$F_{tabel} = 0.05(dBP; dB G)$ $F_{tabel} = 4.26$
Galat	$JKG = JKT - JKP$ $JKG = 0.0908 - 0.0653$ $JKG = 0.0255$	$dB G = dB T - dB P$ $dB G = 11 - 2$ $dB G = 9$	$KTG = \frac{JKG}{dB G}$ $KTG = \frac{0.137}{9}$ $KTG = 0.015$		
Total	$JKT = \sum x^2 - \frac{(\sum x)^2}{N}$ $JKT = 0.902 - \frac{(3.12)^2}{12}$ $JKT = 0.902 - \frac{9.7344}{12}$ $JKT = 0.902 - 0.8112$ $JKT = 0.0908$	$dB T = N - 1$ $dB T = 12 - 1$ $dB T = 11$			