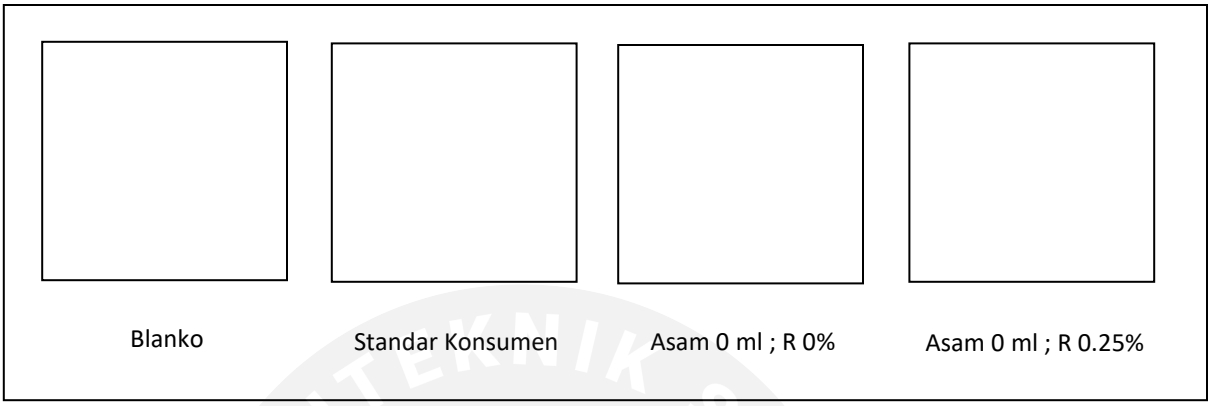
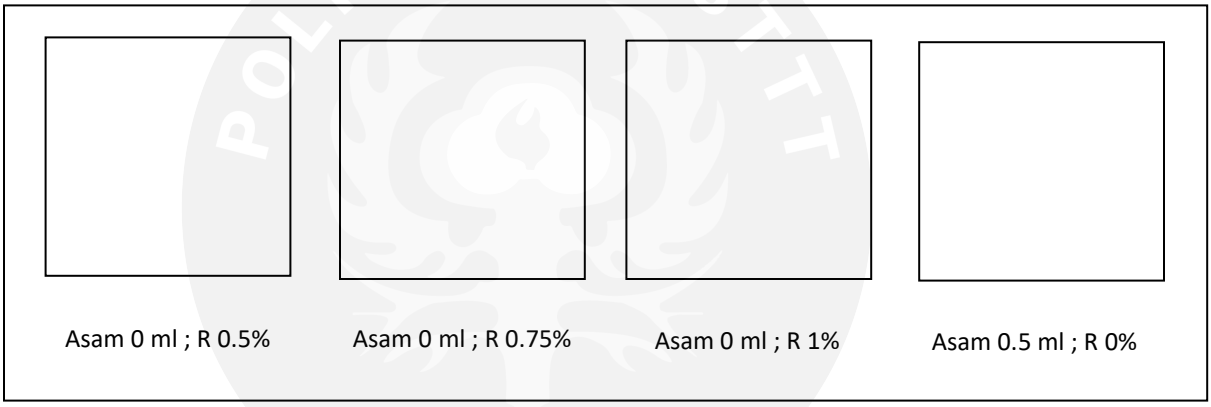
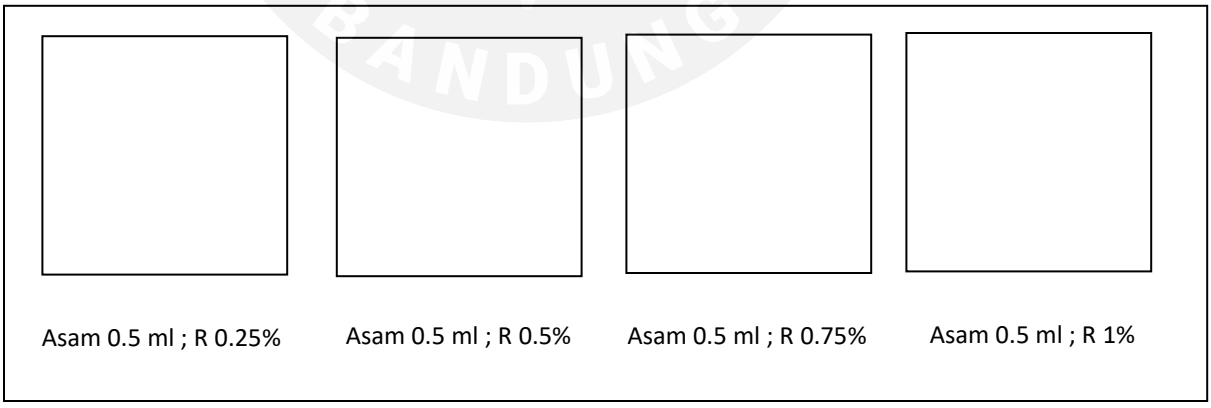
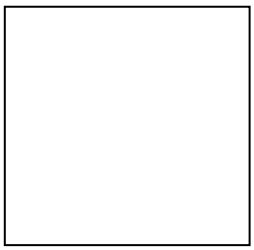
LAMPIRAN

Lampiran 1. Sampel Hasil Percobaan

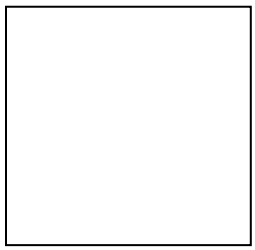




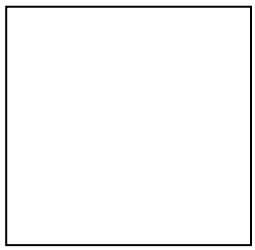




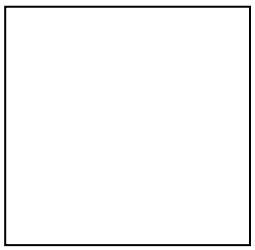
Asam 1 ml ; R 0%



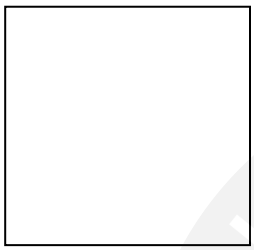
Asam 1 ml ; R 0.25%



Asam 1 ml ; R 0.5%



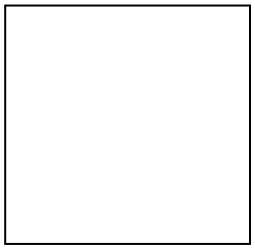
Asam 1 ml ; R 0.75%



Asam 1 ml ; R 1%

Asam 1.5 ml ; R 0%

Asam 1.5 ml ; R 0.25%

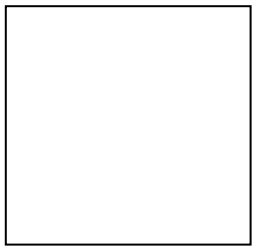


Asam 1.5 ml ; R 0.5%

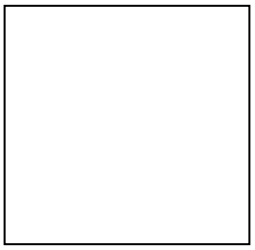
Asam 1.5 ml ; R 0.75%

Asam 1.5 ml ; R 1%

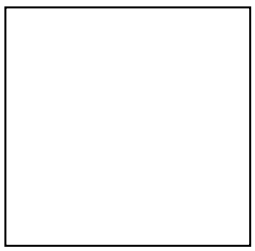
Asam 2 ml ; R 0%



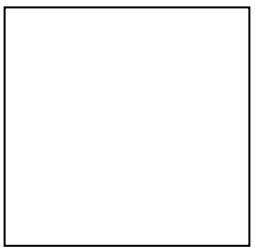
Asam 2 ml ; R 0.25%



Asam 2 ml ; R 0.5%



Asam 2 ml ; R 0.75%



Asam 2 ml ; R 1%

Lampiran 2. Data K/S Panjang Gelombang di 620 nm (3x tembak spektro)

Data K/S Panjang Gelombang di 620 nm (3x tembak spektro)										
sampel 1 - 5 (asam as 0 : retarder 0-1%)						sampel 16 - 20 (asam as 1.5 : retarder 0-1%)				
1.69	1.42	1.13	1.05	0.93		2.71	2.81	2.69	2.5	1.44
1.66	1.4	1.11	1.06	0.95		2.78	2.66	2.53	2.49	1.46
1.68	1.46	1.12	1.06	0.93		2.84	2.53	2.61	2.49	1.51
1.68	1.43	1.12	1.06	0.94		2.78	2.67	2.61	2.49	1.47
									Chart Area	
sampel 6 - 10 (asam as 0.5 : retarder 0-1%)						sampel 21 - 25 (asam as 2 : retarder 0-1%)				
2.61	2.6	2.55	2.49	2.43		2.7	2.59	2.62	2.07	1.59
2.75	2.64	2.53	2.48	2.38		2.62	2.62	2.62	2.08	1.6
2.85	2.66	2.54	2.49	2.43		2.69	2.63	2.45	2.06	1.67
2.74	2.63	2.54	2.49	2.41		2.67	2.61	2.56	2.07	1.62
sampel 11 - 15 (asam as 1 : retarder 0-1%)						K/S Standar				
						2.44				
						2.41				
2.97	2.67	2.49	2.56	1.54		2.43				
2.82	2.53	2.61	2.57	1.61						
2.59	2.63	2.6	2.56	1.6		2.43				
2.79	2.61	2.57	2.56	1.58						

Lampiran 3. Perhitungan Standar Deviasi

Kerataan warna benang SD

No.	asam asetat 0 ml/L					asam asetat 0.5 ml/L					asam asetat 1 ml/L				
	R 0%	R 0.25%	R 0.5%	R 75%	R 1%	R 0%	R 0.25%	R 0.5%	R 75%	R 1%	R 0%	R 0.25%	R 0.5%	R 75%	R 1%
1	0.00018	4.44E-05	1E-04	0.00004	4.44E-05	0.016044	0.001111	1E-04	1.11E-05	0.000278	0.0312111	0.0036	0.005878	1.11E-05	0.001878
2	0.000278	0.000711	0.0001	1.11E-05	0.000178	0.000178	4.44E-05	0.0001	4.44E-05	0.001111	0.0007111	0.0064	0.001878	4.44E-05	0.000711
3	1E-05	0.001111	0	0.00001	4.44E-05	0.012844	0.000711	0	1.11E-05	0.000278	0.0413444	0.0004	0.001111	1.11E-05	0.000278
JML	0.00047	0.001867	0.0002	0.00007	0.000267	0.029067	0.001867	0.0002	6.67E-05	0.001667	0.0732667	0.0104	0.008867	6.67E-05	0.002867
SD	0.191275	0.141055	0.09415	0.005774	0.038155	0.150554	0.081055	0.06101	0.005774	0.036288	0.121398	0.072111	0.052483	0.005774	0.029278

No.	asam asetat 1.5 ml/L					asam asetat 2 ml/L				
	R 0%	R 0.25%	R 0.5%	R 75%	R 1%	R 0%	R 0.25%	R 0.5%	R 75%	R 1%
1	0.004444	0.020544	0.0064	4.44E-05	0.0009	0.0009	0.0016	0.003211	1.97E-31	0.0009
2	1.11E-05	4.44E-05	0.0064	1.11E-05	0.0001	0.0025	4.44E-05	0.003211	1E-04	0.0004
3	0.004011	0.018678	0	1.11E-05	0.0016	0.0004	0.000278	0.012844	0.0001	0.0025
JML	0.008467	0.039267	0.0128	6.67E-05	0.0026	0.0038	0.001922	0.019267	0.0002	0.0038
SD	0.065064	0.054012	0.04	0.005774	0.012361	0.072435	0.0561	0.09815	0.01	0.043589

SD Standar
0.000177778
0.000277778
1.11111E-05
0.000466667
0.015

Lampiran 4. Perhitungan Beda Warna

standar		sampel 1	sampel 2	sampel 3	sampel 4	sampel 5	sampel 6	sampel 7	sampel 8	sampel 9	sampel 10	sampel 11	sampel 12	sampel 13	samp
L*		L*	L*	L*	L*	L*	L*	L*	L*	L*	L*	L*	L*	L*	L
55.49		60.24	61.59	63	63.56	64.33	53.96	53.12	54.27	54.52	55.37	53.7	54.51	54.16	5
54.65		59.97	61.72	63.17	63.29	64.16	53.31	54.14	54.31	54.93	54.43	53.85	54.31	54.23	
54.98		59.46	61.15	63.2	62.99	64.25	54.16	54.89	55.19	55.3	55.5	53.51	54.18	54.64	5
55.04		59.89	61.49	63.12	63.28	64.25	53.81	54.05	54.59	54.92	55.10	53.69	54.33	54.34	5
	DL*	4.85	6.45	8.08	8.24	9.21	-1.23	-0.99	-0.45	-0.12	0.06	-1.35	-0.71	-0.70	
a*		a*	a*	a*	a*	a*	a*	a*	a*	a*	a*	a*	a*	a*	a
-3.25		-3.1	-2.41	-0.77	-0.32	-0.06	-3.7	-3.88	-3.5	-3.29	-3.23	-4.89	-3.77	-3.73	
-3.37		-3.32	-2.44	-0.96	-0.37	-0.17	-3.85	-3.8	-3.48	-3.32	-3.38	-4.71	-3.64	-3.76	
-3.34		-3.24	-2.54	-0.96	-0.43	-0.12	-3.97	-3.77	-3.41	-3.38	-3.31	-4.95	-3.74	-3.58	
-3.32		-3.22	-2.46	-0.90	-0.37	-0.12	-3.84	-3.82	-3.46	-3.33	-3.31	-4.85	-3.72	-3.69	
	Da*	0.10	0.86	2.42	2.95	3.20	-0.52	-0.50	-0.14	-0.01	0.01	-1.53	-0.40	-0.37	
b *		b*	b*	b*	b*	b*	b*	b*	b*	b*	b*	b*	b*	b*	b
-24.2		-21.51	-19.61	-17.05	-15.51	-13.89	-25.41	-24.94	-24.36	-24.54	-24.05	-25.59	-24.92	-25.22	-2
-23.6		-22.07	-19.23	-16.69	-15.62	-14.31	-25.44	-25.62	-24.46	-23.91	-23.48	-25.34	-24.98	-24.39	
-23.45		-21.63	-19.56	-17.24	-15.7	-14.32	-25.31	-24.75	-24.64	-24.24	-23.69	-25.64	-24.43	-24.37	
-23.75		-21.74	-19.47	-16.99	-15.61	-14.17	-25.39	-25.10	-24.49	-24.23	-23.74	-25.52	-24.78	-24.66	-2
	Db*	2.01	4.28	6.76	8.14	9.58	-1.64	-1.35	-0.74	-0.48	0.01	-1.77	-1.03	-0.91	

120													
121	sampel 14	sampel 15	sampel 16	sampel 17	sampel 18	sampel 19	sampel 20	sampel 21	sampel 22	sampel 23	sampel 24	sampel 25	
122	L*	L*	L*	L*	L*	L*	L*	L*	L*	L*	L*	L*	
123	54.01	61.08	54.28	54.59	54.19	54.52	61.8	54	53.75	54.22	57.95	60	
124	55	61.25	53.6	54.31	54.69	54.93	61.25	54.02	53.69	54.84	57.22	60.06	
125	54.51	61.32	53.38	53.23	54.06	55.29	61.32	54.1	55.22	54.05	57.38	59.67	
126	54.51	61.22	53.75	54.04	54.31	54.91	61.46	54.04	54.22	54.37	57.52	59.91	
127	-0.53	6.18	-1.29	-1.00	-0.73	-0.13	6.42	-1.00	-0.82	-0.67	2.48	4.87	
128													
129	a*	a*	a*	a*	a*	a*	a*	a*	a*	a*	a*	a*	
130	-3.8	-2.87	-3.65	-3.95	-3.74	-3.23	-2.75	-3.72	-3.7	-3.81	-3.29	-3.1	
131	-3.56	-3.1	-3.93	-3.81	-3.82	-3.29	-2.44	-3.87	-3.85	-3.73	-3.1	-3.17	
132	-3.46	-3.25	-3.96	-3.74	-3.73	-3.47	-2.74	-3.91	-3.79	-3.42	-3.32	-3	
133	-3.61	-3.07	-3.85	-3.83	-3.76	-3.33	-2.64	-3.83	-3.78	-3.65	-3.24	-3.09	
134	-0.29	0.25	-0.53	-0.51	-0.44	-0.01	0.68	-0.51	-0.46	-0.33	0.08	0.23	
135													
136	b*	b*	b*	b*	b*	b*	b*	b*	b*	b*	b*	b*	
137	-24.44	-21.06	-25.76	-25.18	-25.02	-24.37	-20.07	-25.47	-24.86	-24.62	-23.27	-20.9	
138	-24.4	-20.64	-25	-25.07	-24.95	-23.94	-20.27	-25.38	-24.79	-24.63	-23.57	-20.78	
139	-24.7	-20.38	-25.73	-25.04	-24.77	-24.37	-20.24	-24.89	-25.31	-24.66	-23.6	-20.98	
140	-24.51	-20.69	-25.50	-25.10	-24.91	-24.23	-20.19	-25.25	-24.99	-24.64	-23.48	-20.89	
141	-0.76	3.06	-1.75	-1.35	-1.16	-0.48	3.56	-1.50	-1.24	-0.89	0.27	2.86	