

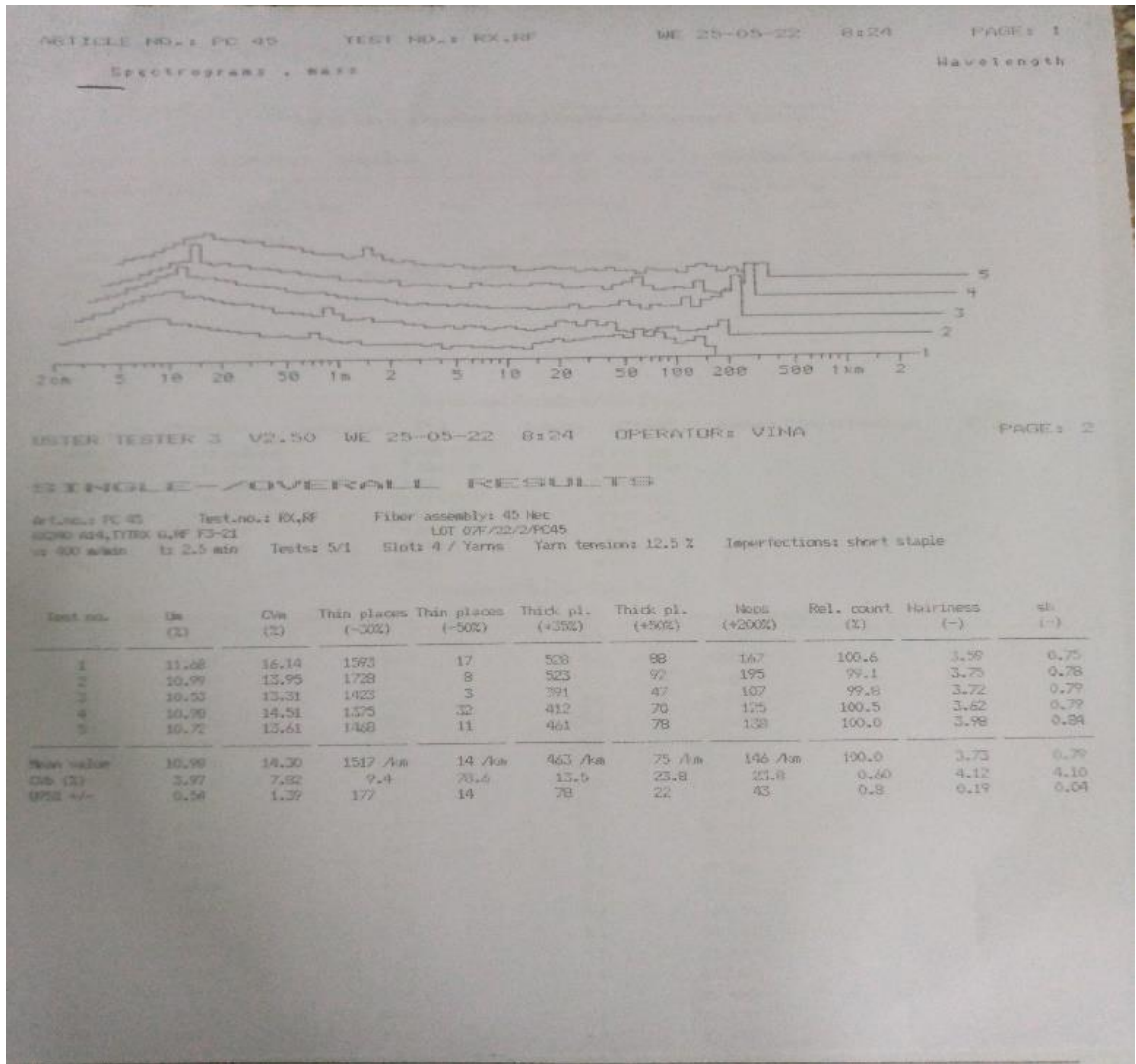
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LAMPIRAN

Test of Yarn Traction with MesdanLab Strength Tester					
Customer Code	SPINNING 2	Test Code	PC 45	Date	5/25/2022 Time 8:57:45 AM
Sample Description				Sample Number	20
Parcel	TYT, RX, RF	Lot	07F/22/2/PC4	Count	45 [Nc]
Material	COPS				
Examiner	VINA				
Sample Length	500 [mm]	Load cell ID/FS [kg]	1 / 2 X 1		
Clamp Speed	500 [mm/min]	Pretension	0 [g]		
Test Machine					
Observations					
<i>Statistical Results of the Test</i>					
	Force [g]	Elongation [%]	Tenacity [cN/tex]	Average Time of Breakage	5 [s]
Maximum	335.900 (4)	9.420 (3)	25.101 (4)		
Minimum	256.600 (14)	7.260 (14)	19.175 (14)		
Average	298.000	8.460	22.269		
Range	26.611 [%]	25.714 [%]	26.611 [%]		
CV	8.912 [%]	8.091 [%]	8.912 [%]		
Deviation	26.559	0.680	1.985		
IC95%	11.640	0.298	0.870		
IC99%	15.297	0.391	1.143		
<i>Results of Single Samples</i>					
Sample #	Max Force [g]	Max Elongation [%]	Time [s]	Tenacity [cN/tex]	
1	320.9	9.24	5.5	23.980	
2	331.9	8.82	5.3	24.802	
3	335.8	9.42	5.7	25.093	
4	335.9	9.36	5.6	25.101	
5	309.5	9.06	5.4	23.128	
6	276.0	8.34	5.0	20.625	
7	271.8	8.58	5.1	20.311	
8	278.5	8.70	5.2	20.811	
9	262.2	8.16	4.9	19.593	
10	279.2	9.06	5.4	20.864	
11	324.7	8.64	5.2	24.264	
12	296.9	7.44	4.5	22.186	
13	269.9	7.32	4.4	20.169	
14	256.6	7.26	4.4	19.175	
15	323.1	8.46	5.1	24.144	
16	266.7	7.44	4.5	19.930	
17	289.9	7.92	4.8	21.663	
18	319.7	8.64	5.2	23.890	
19	311.4	8.04	4.8	23.270	
20	299.4	8.10	4.9	22.373	

Lampiran 1. Hasil SYS



Lampiran 2. Hasil USTER

PC 45 Combed (Polyester 65% / Cotton 35%)						PC 45 Combed (Polyester 65% / Cotton 35%)					
COP						CONE					
CV% Ne	0.80	1.10	1.40	2.00	2.70	CV% Ne	0.80	1.10	1.50	2.10	3.00
CVm	11.67	12.49	13.37	14.37	15.43	CVm	12.07	12.78	13.71	14.80	15.86
U%	9.34	9.99	10.70	11.50	12.34	U%	9.66	10.22	10.97	11.84	12.69
Thin	1.00	3.00	6.00	14.00	30.00	Thin	2.00	3.00	7.00	15.00	32.00
Thick	18.00	31.00	51.00	85.00	141.00	Thick	19.00	33.00	59.00	106.00	186.00
Neps	31.00	55.00	96.00	166.00	291.00	Neps	42.00	71.00	131.00	238.00	423.00
Text.IPI	90.00	88.00	163.00	265.00	482.00	Text.IPI	63.00	107.00	197.00	385.00	641.00
Hairiness	3.20	3.50	3.70	4.00	4.20	Hairiness	4.00	4.40	4.70	5.20	5.60
sh	0.70	0.70	0.80	0.90	1.00	sh	1.00	1.10	1.20	1.30	1.40
SYS [cN/tex]	26.10	24.10	21.80	19.80	18.30	SYS [cN/tex]	25.80	23.90	21.70	19.70	18.20
SYS [grf]	342.51	316.27	286.08	258.53	240.15	SYS [grf]	338.58	313.64	284.77	258.53	238.84
CV%, SYS	8.30	9.20	10.40	11.50	12.60	CV%, SYS	8.70	9.40	10.40	11.50	12.60
Elongation	10.80	10.00	9.10	8.20	7.60	Elongation	10.50	9.60	8.60	7.80	7.20
CV%, Elongation	8.60	9.40	10.40	11.80	13.00	CV%, Elongation	7.80	8.60	9.80	11.00	12.20
Twist [T/m]	828.00	888.00	969.00	1059.00	1130.00	Twist [T/m]	788.00	858.00	954.00	1053.00	1140.00
Twist [T/inch]	21.03	22.56	24.61	26.82	28.70	Twist [T/inch]	20.02	21.79	24.23	26.75	28.96
CV%, Twist	2.60	3.00	3.50	4.00	4.70	CV%, Twist	2.60	3.00	3.50	4.00	4.70
α m	94.80	101.70	111.00	120.90	129.50	α m	90.30	98.30	109.30	120.70	130.60
α inch	2.41	2.58	2.82	3.07	3.29	α inch	2.29	2.50	2.78	3.07	3.32

Lampiran 3. Standar Kualitas benang PC45



Lampiran 4. Centering snail wire



Lampiran 5. Centering snail wire



Lampiran 6 Alat persiapan centering snail wire