

LAMPIRAN

LAMPIRAN

Lampiran 1 Laporan hasil Uster Tester 50/42

USTER® TESTER 5 - S400		R 5.7	Mon 27.05.24 19:54		Operator	DEVI	Page 1									
PT EXCELLENCE QUALITIES YARN			BALONGBENDO- SDOARJO													
TU	UT5-1	Catalog	EQY	Temp	30.1 °C	Rel.H	35.1 %									
Style	CONE	Sample ID	46892	Nom. count	Nec 30	Nom. twist	0 T/m									
Tests	10 / 1	v= 400 m/min	t= 1 min	Meas. slot	4	Short staple	Absorber									
							33 %									
DAILY REPORT																
Article	PE	Material class	Yarn	Mach. Nr.	V.05											
Uster Statistics	100% PES, airjet yarn, cones, 2013															
Fiber	Polyester 1.2den 38mm 100%															
30 PE 476 W - TRIAL F.01 (50X42)/PC. PLAIN																
Total tests : 10 / 10 Single test(s)																
Nr	U%	CVm	CVm	CVm	CVm	Index	Thin	Thin	Thick	Thick	Neps	Neps	Neps	Neps	H	sh
	%	%	1m	3m	10m		-40%	-50%	+35%	+50%	+140%	+200%	+280%	+400%		
							/km	/km	/km	/km	/km	/km	/km	/km		
27	10.39	13.14	3.99	2.54	1.33	1.60	145.0	2.5	267.5	45.0	90.0	10.0	5.0	0.0	4.31	0.71
28	10.10	12.75	4.33	2.87	1.89	1.55	112.5	12.5	167.5	25.0	62.5	12.5	5.0	0.0	4.22	0.72
30	10.12	12.74	3.91	2.60	1.60	1.55	112.5	0.0	107.5	5.0	55.0	5.0	2.5	0.0	4.14	0.72
32	9.88	12.42	4.02	2.51	1.39	1.51	67.5	2.5	107.5	10.0	32.5	0.0	0.0	0.0	4.21	0.71
39	10.22	12.82	4.02	2.51	1.52	1.56	122.5	2.5	172.5	12.5	65.0	2.5	2.5	0.0	4.17	0.74
40	10.34	13.03	4.02	2.35	1.49	1.58	137.5	7.5	172.5	12.5	52.5	7.5	0.0	0.0	4.23	0.71
42	10.00	12.50	4.03	2.73	1.69	1.52	112.5	2.5	127.5	5.0	27.5	2.5	0.0	0.0	4.28	0.73
45	9.65	12.14	3.82	2.51	1.53	1.47	45.0	0.0	75.0	5.0	37.5	7.5	7.5	0.0	3.92	0.64
46	10.11	12.70	4.17	2.66	1.51	1.54	112.5	0.0	137.5	2.5	27.5	2.5	0.0	0.0	4.19	0.68
48	10.15	12.71	3.87	2.51	1.29	1.54	92.5	10.0	175.0	7.5	52.5	2.5	0.0	0.0	4.27	0.74
Mean	10.10	12.70	4.02	2.58	1.52	1.54	106.0	4.0	151.0	13.0	50.3	5.3	2.3	0.0	4.20	0.71
CV	2.1	2.3	3.6	5.7	11.7	2.3	28.7	111.0	35.3	99.6	39.2	76.0	122.3		2.6	4.1
s	0.22	0.29	0.15	0.15	0.18	0.04	30.4	4.4	53.4	13.0	19.7	4.0	2.8	0.0	0.11	0.03
Q95	0.15	0.21	0.10	0.11	0.13	0.03	21.8	3.2	38.2	9.3	14.1	2.9	2.0	0.0	0.08	0.02
Max	10.39	13.14	4.33	2.87	1.89	1.60	145.0	12.5	267.5	45.0	90.0	12.5	7.5	0.0	4.31	0.74
Min	9.65	12.14	3.82	2.35	1.29	1.47	45.0	0.0	75.0	2.5	27.5	0.0	0.0	0.0	3.92	0.64
USP™13			52	>95	>95	59	52	16	42	57	26	35		57	< 5	

1/1 - 22.3

Point

Sumber: Departemen QC PT Excellence Qualities Yarn, 2024

Lampiran 2 Laporan hasil Uster Tensorapid 50/42

Style	CONE	Sample ID	MVS 161001	Nom. count	Nec 30	Nom. twist	0 T/inch
Tests	10 / 10	v= 5000 mm/min	Fv= 10 gF	Lh= 500 mm	Pcl= 30 %		
Table and Diagrams							
Article	PE	Material class	Yarn	Mach. Nr.	V.05		
Uster Statistics	100% PES, airjet yarn, cones, 2013						
30 PE 476 W - TRIAL F.01 (50X42) / PC. PLAIN							
Total : 10 / 100 Single test(s)							
Nr	Time to break	B-Force	Elong.	Tenacity	B-Work		
	s	gF	%	Rkm	gF.cm		
27/10	0.57	558.8	9.42	28.39	1233		
28/10	0.56	560.6	9.28	28.48	1229		
30/10	0.53	548.2	8.79	27.85	1164		
31/10	0.51	541.9	8.47	27.53	1109		
39/10	0.49	492.9	8.24	25.04	983.3		
40/10	0.49	494.7	8.18	25.13	987.2		
42/10	0.54	540.0	8.96	27.43	1153		
45/10	0.51	520.6	8.42	26.45	1052		
46/10	0.53	544.5	9.81	27.66	1143		
48/10	0.52	516.8	8.69	26.26	1078		
Mean	0.52	531.9	8.73	27.02	1113		
CV	7.13	8.89	7.14	8.89	13.86		
Min	0.44	415.6	7.26	21.11	751.4		
Max	0.61	623.4	10.09	31.67	1423		

Sumber: Departemen QC PT Excellence Qualities Yarn, 2024

Lampiran 3 Laporan hasil Uster Tester 52/44

DAILY REPORT

Article PE Material class Yarn Mach. Nr. V.05
 Uster Statistics 100% PES, airjet yarn, cones, 2013
 Fiber Polyester 1.2den 38mm 100%
 30 PE 476 W - TRIAL FINISHER 1 52X44 /PC. BLUE DOT WHITE

Total tests : 10 / 10 Single test(s)

Nr	U%	CVm	CVm 1m	CVm 3m	CVm 10m	Index	Thin -40%	Thin -50%	Thick +35%	Thick +50%	Neps +140%	Neps +200%	Neps +280%	Neps +400%	H	sh
	%	%	%	%	%		/km	/km	/km	/km	/km	/km	/km	/km		
31	10.05	12.69	3.88	2.36	1.55	1.54	115.0	5.0	145.0	7.5	70.0	2.5	0.0	0.0	4.12	0.68
32	10.05	12.68	3.68	2.39	1.29	1.54	77.5	2.5	162.5	7.5	65.0	10.0	2.5	0.0	4.03	0.66
33	11.85	14.94	4.58	2.58	1.92	1.82	390.0	30.0	355.0	32.5	27.5	0.0	0.0	0.0	4.27	0.72
34	10.09	12.72	3.82	2.35	1.41	1.55	127.5	5.0	142.5	5.0	57.5	5.0	0.0	0.0	4.34	0.73
35	10.31	13.05	3.83	2.40	1.66	1.59	155.0	0.0	247.5	40.0	137.5	25.0	2.5	0.0	4.33	0.73
36	10.07	12.68	3.79	2.27	1.53	1.54	122.5	5.0	152.5	22.5	87.5	17.5	2.5	2.5	4.17	0.66
37	10.14	12.75	4.13	2.61	1.73	1.55	112.5	2.5	135.0	2.5	27.5	0.0	0.0	0.0	4.22	0.71
38	9.89	12.43	3.81	2.31	1.58	1.51	95.0	2.5	147.5	5.0	70.0	2.5	0.0	0.0	3.88	0.62
39	9.77	12.30	3.59	2.39	1.37	1.49	82.5	0.0	80.0	0.0	42.5	7.5	2.5	0.0	4.27	0.70
40	10.24	12.90	4.21	2.79	1.86	1.57	137.5	2.5	157.5	2.5	25.0	0.0	0.0	0.0	4.08	0.66
Mean	10.25	12.91	3.93	2.44	1.59	1.57	141.5	5.5	172.5	12.5	61.0	7.0	1.0	0.3	4.17	0.69
CV	5.7	5.7	7.5	6.6	13.1	5.7	64.0	160.1	44.0	112.3	56.3	120.0	129.1	316.2	3.5	5.3
s	0.58	0.74	0.29	0.16	0.21	0.09	90.5	8.8	75.9	14.0	34.4	8.4	1.3	0.8	0.15	0.04
Q95	0.42	0.53	0.21	0.12	0.15	0.06	64.8	6.3	54.3	10.0	24.6	6.0	0.9	0.6	0.11	0.03
Max	11.85	14.94	4.58	2.79	1.92	1.82	390.0	30.0	355.0	40.0	137.5	25.0	2.5	2.5	4.34	0.73
Min	9.77	12.30	3.59	2.27	1.29	1.49	77.5	0.0	80.0	0.0	25.0	0.0	0.0	0.0	3.88	0.62
USP™13		66	>95	76	68		73	37	55	54		44	< 5		54	< 5

2.9

IP1 : 22.3

Sumber: Departemen QC PT Excellence Qualities Yarn, 2024

Lampiran 4 Laporan hasil Uster Tensorapid 52/44

V= 5000 mm/min Fv= 10 gF Lh= 500 mm Pd= 30 %

Table and Diagrams

Article PE Material class Yarn Mach. Nr. V.05
 Uster Statistics 100% PES, airjet yarn, cones, 2013
 30 PE 476 W - TRIAL FINISHER 01 52X44 /PC. BLUE DOT WHITE

Total : 10 / 100 Single test(s)

Nr	Time to break s	B-Force gF	Elong. %	Tenacity Rkm	B-Work gF.cm
31/10	0.51	481.7	8.56	24.47	997.2
32/10	0.56	541.4	9.37	27.51	1192
33/10	0.52	494.3	8.71	25.11	1024
34/10	0.54	537.0	8.93	27.28	1157
35/10	0.52	517.2	8.72	26.27	1081
36/10	0.52	511.4	8.62	25.98	1060
37/10	0.53	537.2	8.73	27.29	1116
38/10	0.53	536.4	8.86	27.25	1127
39/10	0.52	520.3	8.60	26.43	1079
40/10	0.53	527.7	8.85	26.81	1117
Mean	0.53	520.5	8.79	28.44	1095
CV	5.98	9.00	5.68	9.00	13.22
Min	0.45	386.5	7.50	19.74	720.3
Max	0.60	614.8	9.98	31.23	1416

Sumber: Departemen QC PT Excellence Qualities Yarn, 2024

Lampiran 5 Laporan hasil Uster Tester 52/42

TU	UTS-1	Catalog	EQY	Temp	29.4 °C	Rel H	35 %
Style	CONE	Sample ID	44700	Nom. count	Nec 30	Nom. twist	0 T/m
Tests	10 / 1	v= 400 m/min	t= 1 min	Meas. slot	4	Short staple	
						Absorber	33 %

DAILY REPORT

Article PE Material class Yarn Mach. Nr. V.05

Uster Statistics 100% PES, airjet yarn, cones, 2013

Fiber Polyester 1.2den 38mm 100%

30 PE 476 W - TRIAL FINISHER 1, 52X42/PC. BLUE DOT WHITE

Total tests : 10 / 10 Single test(s)

Nr	U%	Cvm	Cvm	Cvm	Cvm	index	Thin	Thin	Thick	Thick	Neps	Neps	Neps	Neps	H	sn
	%	%	1m	3m	10m	%	-40%	-50%	+35%	+50%	+140%	+200%	+260%	+400%		
							/km	/km	/km	/km	/km	/km	/km	/km		
11	10.10	12.71	4.01	2.66	1.72	1.54	102.5	0.0	150.0	7.5	50.0	2.5	0.0	0.0	4.02	0.68
12	9.90	12.46	3.87	2.63	1.74	1.51	87.5	2.5	160.0	5.0	30.0	5.0	2.5	0.0	4.18	0.71
13	9.74	12.20	4.07	2.61	1.59	1.49	105.0	7.5	82.5	2.5	27.5	5.0	2.5	0.0	3.94	0.65
14	9.84	12.37	3.92	2.58	1.67	1.50	92.5	2.5	92.5	0.0	65.0	5.0	0.0	0.0	4.08	0.70
15	10.18	12.78	3.90	2.48	1.47	1.55	140.0	0.0	185.0	22.5	70.0	10.0	0.0	0.0	4.08	0.69
16	9.83	12.38	3.94	2.58	1.52	1.50	92.5	2.5	122.5	2.5	42.5	5.0	0.0	0.0	4.22	0.74
17	10.29	13.00	3.87	2.70	1.67	1.58	140.0	7.5	222.5	22.5	127.5	17.5	0.0	0.0	4.00	0.67
18	9.99	12.57	3.71	2.35	1.31	1.53	132.5	2.5	170.0	5.0	60.0	0.0	0.0	0.0	4.16	0.72
19	10.65	13.33	4.00	2.55	1.44	1.62	177.5	5.0	242.5	10.0	55.0	5.0	0.0	0.0	3.95	0.65
20	10.04	12.62	3.79	2.32	1.29	1.53	130.0	2.5	172.5	12.5	45.0	2.5	2.5	0.0	3.99	0.66
Mean	10.06	12.65	3.91	2.55	1.54	1.54	120.0	3.3	160.0	8.0	57.3	5.8	0.8	0.0	4.06	0.69
CV	2.7	2.6	2.7	5.0	10.6	2.8	24.0	81.5	32.0	89.0	49.5	84.8	161.0		2.4	4.6
s	0.27	0.32	0.11	0.13	0.16	0.04	28.8	2.6	51.3	8.0	28.3	4.9	1.2	0.0	0.10	0.03
Q95	0.19	0.23	0.08	0.09	0.12	0.03	20.6	1.9	36.7	5.7	20.3	3.5	0.9		0.07	0.02
Max	10.65	13.33	4.07	2.70	1.74	1.62	177.5	7.5	242.5	22.5	127.5	17.5	2.5	0.0	4.22	0.74
Min	9.74	12.20	3.71	2.32	1.29	1.49	87.5	0.0	82.5	0.0	27.5	0.0	0.0	0.0	3.94	0.65
USP™13			49	>95	>95	61	61	< 5	48	30	32	< 5			42	< 5

IP1 : 12,1

Sumber: Departemen QC PT Excellence Qualities Yarn, 2024

Lampiran 6 Laporan hasil Uster Tensorapid 52/42

Table and Diagrams

Article PE Material class Yarn Mach. Nr. V.05

Uster Statistics 100% PES, airjet yarn, cones, 2013

30 PE 476 W - TRIAL FINISHER 01 52X42 / PC. BLUE DOT WHITE

Total : 10 / 100 Single test(s)

Nr	Time to break	B-Force	Elong.	Tenacity	B-Work
	s	gF	%	Rkm	gF.cm
11/10	0.54	536.7	8.99	27.26	1152
12/10	0.58	576.9	9.57	29.31	1284
13/10	0.53	533.1	8.78	27.08	1126
14/10	0.53	538.1	8.76	27.34	1141
15/10	0.56	521.1	9.29	26.47	1143
16/10	0.51	517.3	8.49	26.28	1071
17/10	0.53	526.8	8.78	26.76	1105
18/10	0.55	556.2	9.10	28.26	1194
19/10	0.52	524.7	8.72	26.66	1099
20/10	0.54	547.6	8.95	27.82	1166
Mean	0.54	537.8	8.94	27.32	1148
CV	6.74	9.22	6.73	9.22	13.60
Min	0.41	384.3	6.89	19.52	677.5
Max	0.61	658.7	10.13	33.46	1483

Sumber: Departemen QC PT Excellence Qualities Yarn, 2024



BADAN PENGEMBANGAN SUMBER DAYA MANUSIA INDUSTRI
AKADEMI KOMUNITAS INDUSTRI TEKSTIL DAN
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Telp. (0271) 6792696 Fax. (0271) 6792697

REKAP PERCAKAPAN BIMBINGAN

Judul Tugas Akhir :
Pengaruh Setelan *Roll Gauge* mesin Drawing Finisher Trützschler terhadap kualitas benang polyester 30s Murata Vortex Spinning

Sesi / Bahasan : ke-1 / Konfirmasi judul TA dari pembimbing pertama dan konfirmasi akan situasi TA
Mahasiswa : 2201015 - M.DAFFA'ARIQ DIKA PUTRA **Dosen Pembimbing :** 4321129201 - HASNA KHAIRUNNISA, M.Sc.,MBA.

Tidak ada data percakapan

Sesi / Bahasan : ke-1 / Penentuan judul dan pemberian abstrak kepada pembimbing 1
Mahasiswa : 2201015 - M.DAFFA'ARIQ DIKA PUTRA **Dosen Pembimbing :** 4306106501 - HAMDAN S BINTANG, ST.,MM

Tidak ada data percakapan

Sesi / Bahasan : ke-2 /
Mahasiswa : 2201015 - M.DAFFA'ARIQ DIKA PUTRA **Dosen Pembimbing :** 4306106501 - HAMDAN S BINTANG, ST.,MM

Tidak ada data percakapan

Sesi / Bahasan : ke-2 /
Mahasiswa : 2201015 - M.DAFFA'ARIQ DIKA PUTRA **Dosen Pembimbing :** 4321129201 - HASNA KHAIRUNNISA, M.Sc.,MBA.

Tidak ada data percakapan

Sesi / Bahasan : ke-3 / Bimbingan revisi bab 4 dan memberikan beberapa konfirmasi pada bab IV
Mahasiswa : 2201015 - M.DAFFA'ARIQ DIKA PUTRA **Dosen Pembimbing :** 4321129201 - HASNA KHAIRUNNISA, M.Sc.,MBA.

Tidak ada data percakapan

Sesi / Bahasan : ke-3 / Konfirmasi pengiriman BAB IV
Mahasiswa : 2201015 - M.DAFFA'ARIQ DIKA PUTRA **Dosen Pembimbing :** 4306106501 - HAMDAN S BINTANG, ST.,MM

Tidak ada data percakapan

Sesi / Bahasan : ke-4 /
Mahasiswa : 2201015 - M.DAFFA'ARIQ DIKA PUTRA **Dosen Pembimbing :** 4306106501 - HAMDAN S BINTANG, ST.,MM

Tidak ada data percakapan

Sesi / Bahasan : ke-4 /
Mahasiswa : 2201015 - M.DAFFA'ARIQ DIKA PUTRA **Dosen Pembimbing :** 4321129201 - HASNA KHAIRUNNISA, M.Sc.,MBA.

Tidak ada data percakapan

Sesi / Bahasan : ke-5 /**Mahasiswa** : 2201015 - M.DAFFA'ARIQ DIKA PUTRA**Dosen Pembimbing** : 4306106501 - HAMDAN S BINTANG, ST.,MM

Tidak ada data percakapan

Sesi / Bahasan : ke-5 / Revisi beberapa bagian pada BAB 4**Mahasiswa** : 2201015 - M.DAFFA'ARIQ DIKA PUTRA**Dosen Pembimbing** : 4321129201 - HASNA KHAIRUNNISA, M.Sc.,MBA.

Tidak ada data percakapan

Sesi / Bahasan : ke-6 /**Mahasiswa** : 2201015 - M.DAFFA'ARIQ DIKA PUTRA**Dosen Pembimbing** : 4321129201 - HASNA KHAIRUNNISA, M.Sc.,MBA.

Tidak ada data percakapan

Sesi / Bahasan : ke-7 / Revisi bab V**Mahasiswa** : 2201015 - M.DAFFA'ARIQ DIKA PUTRA**Dosen Pembimbing** : 4321129201 - HASNA KHAIRUNNISA, M.Sc.,MBA.

Tidak ada data percakapan

Sesi / Bahasan : ke-8 /**Mahasiswa** : 2201015 - M.DAFFA'ARIQ DIKA PUTRA**Dosen Pembimbing** : 4321129201 - HASNA KHAIRUNNISA, M.Sc.,MBA.

Tidak ada data percakapan

Sesi / Bahasan : ke-9 /**Mahasiswa** : 2201015 - M.DAFFA'ARIQ DIKA PUTRA**Dosen Pembimbing** : 4321129201 - HASNA KHAIRUNNISA, M.Sc.,MBA.

Tidak ada data percakapan

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