

LAMPIRAN

Lampiran 1 Data Hasil Pengujian CPI

Data hasil pengujian CPI Benang Akrilik 100% Nm 32/2

No.	CPI (<i>course per inch</i>) Bagian Depan			CPI (<i>course per inch</i>) Bagian Belakang		
	Jeratan Rib 1X1	Jeratan Full cardigan	Jeratan Cable	Jeratan Rib 1X1	Jeratan Full cardigan	Jeratan Cable
1	13	9	19	10	10	21
2	13	9	19	10	10	21
3	13	10	19	10	10	21
4	12	10	18	11	9	20
5	12	10	18	11	9	20
6	13	9	20	10	10	19
7	13	10	20	12	10	21
8	12	9	18	12	11	19
9	11	9	19	10	9	21
10	11	9	19	11	9	19
Σ	123	94	189	107	97	202
\bar{x}	12,3	9,4	18,9	10,7	9,7	20,2
S	0,82	0,52	0,74	0,82	0,67	0,91
CV (%)	6,61	5,53	3,91	7,69	6,9	4,54
E	4,14	3,43	2,42	4,76	4,27	2,81

$$s = \sqrt{\frac{\sum(x_i - \bar{x})^2}{n-1}} \quad CV = \frac{s}{\bar{x}} \times 100\% \quad E = \frac{t \times CV}{\sqrt{N}}$$

Lampiran 2 Data Hasil Pengujian WPI

Data hasil pengujian WPI Benang Akrilik 100% Nm 32/2

No.	WPI (wale per inch) Bagian Depan			WPI (wale per inch) Bagian Belakang		
	Jeratan Rib 1X1	Jeratan Full cardigan	Jeratan Cable	Jeratan Rib 1X1	Jeratan Full cardigan	Jeratan Cable
1	13	8	14	10	9	15
2	13	8	14	10	9	15
3	13	9	12	10	9	15
4	12	9	12	11	8	14
5	12	9	12	11	8	14
6	13	9	13	10	9	13
7	13	8	14	12	10	15
8	12	9	12	12	9	14
9	11	9	12	10	10	15
10	11	9	13	11	8	13
Σ	123	87	128	107	89	143
\bar{x}	12,3	8,7	12,8	10,7	8,9	14,3
S	0,82	0,48	0,91	0,82	0,73	0,82
CV (%)	6,61	5,51	7,11	7,69	8,29	5,7
E	4,14	3,41	4,4	4,76	5,13	3,56

$$s = \sqrt{\frac{\sum(x_i - \bar{x})^2}{n-1}} \quad CV = \frac{s}{\bar{x}} \times 100\% \quad E = \frac{t \cdot x \cdot CV}{\sqrt{N}}$$

Lampiran 3 Data hasil pengujian Gramasi Kain

Data hasil pengujian gramasi kain Benang Akrilik 100% Nm 32/2

No.	Gramasi Kain (g/m ²)		
	Jeratan Rib 1X1	Jeratan Full Cardigan	Jeratan Cable
1	472	478	623
2	473	477	624
3	471	478	624
4	471	478	625
5	473	476	623
6	472	477	621
7	473	478	625
8	472	476	623
9	472	476	624
10	471	477	621
Σ	4720	4770	6230
\bar{x}	472	477	623
S	0,81	0,87	0,41
CV (%)	0,17	0,18	0,22
E	0,10	0,11	0,13

$$s = \sqrt{\frac{\sum(x_i - \bar{x})^2}{n-1}} \quad CV = \frac{s}{\bar{x}} \times 100\% \quad E = \frac{t \times CV}{\sqrt{N}}$$

Lampiran 4 Data hasil pengujian Perubahan Dimensi

Data hasil pengujian perubahan dimensi arah *course* untuk Benang Akrilik 100% Nm 32/2

No.	Jeratan Rib 1x1		Jeratan Full Cardigan		Jeratan Cable	
	Sebelum (cm)	Sesudah (cm)	Sebelum (cm)	Sesudah (cm)	Sebelum (cm)	Sesudah (cm)
1	25	24,4	25	24,5	25,3	24,4
2	25,3	24,6	25	24,4	25,2	24,5
3	25,1	24,3	25	24,3	25	24,1
Σ	75,4	73,3	75	73,2	75,5	73
\bar{x}	25,13	24,4	25	24,4	25,16	24,33
%	-2,90		-2,4		-3,29	
S	0,12		0,10		0,13	
CV (%)	4,13		4,16		3,64	
E	4,67		4,71		4,12	

Data hasil pengujian perubahan dimensi arah *wale* untuk Benang Akrilik 100% Nm 32/2

No.	Jeratan Rib 1x1		Jeratan Full Cardigan		Jeratan Cable	
	Sebelum (cm)	Sesudah (cm)	Sebelum (cm)	Sesudah (cm)	Sebelum (cm)	Sesudah (cm)
1	24,7	25,2	24,9	24,3	25	24,1
2	24,5	25	24,7	24,1	25,3	24,5
3	24,7	25,2	24,6	24	25,4	24,5
Σ	73,9	75,4	74,2	72,4	75,7	73,1
\bar{x}	24,63	25,13	24,73	24,13	25,23	24,37
%	-2,03		-2,43		-3,43	
S	0,01		0,015		0,23	
CV (%)	0,49		0,62		6,94	
E	0,55		0,071		7,87	

Lampiran 5 Data hasil pengujian Daya Tembus Udara

Data hasil pengujian daya tembus udara jeratan Rib 1x1 Benang Akrilik 100% Nm 32/2

Test Protocol http://192.168.1.2/data/ST3 cm kubik_DTU RIB 1X1 ACR_00154_2...

TEXTTEST INSTRUMENTS **Static Air Permeability**

Basic data

Style: ST3 cm kubik
Reference: DTU RIB 1X1 ACR
Date: 03.06.2021
Time: 13:25:15
Instrument: FX 3300 LabAir IV
Serial Number: 154

Settings

Test pressure: 100 Pa
Test area: 20 cm²
Nom / Min / Max: -1.00 / -1.00 / -1.00 cm³/cm²/s

Statistical analysis

Average: 67.8 cm³/cm²/s
Minimum: 65.3 cm³/cm²/s
Maximum: 74.2 cm³/cm²/s
CV: 4.79 %
Cpk: 0.0000

Test results


1	65.7 cm ³ /cm ² /s
2	65.3 cm ³ /cm ² /s
3	67.3 cm ³ /cm ² /s
4	66.8 cm ³ /cm ² /s
5	74.2 cm ³ /cm ² /s

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CS Dipindai dengan CamScanner

Data hasil pengujian daya tembus udara jeratan *Full Cardigan* Benang Akrilik 100% Nm 32/2

Test Protocol http://192.168.1.2/data/ST3 cm kubik_DTU FULL CARDI ACR_001...



Static Air Permeability

Basic data	
Style:	ST3 cm kubik
Reference:	DTU FULL CARDI ACR
Date:	03.06.2021
Time:	13:28:08
Instrument:	FX 3300 LabAir IV
Serial Number:	154

Settings	
Test pressure:	100 Pa
Test area:	20 cm ²
Nom / Min / Max:	-1.00 / -1.00 / -1.00 cm ³ /cm ² /s


Statistical analysis	
Average:	107 cm ³ /cm ² /s
Minimum:	99.9 cm ³ /cm ² /s
Maximum:	113 cm ³ /cm ² /s
CV:	5.52 %
Cpk:	0.0000

Test results	
1	113 cm ³ /cm ² /s
2	112 cm ³ /cm ² /s
3	111 cm ³ /cm ² /s
4	100.0 cm ³ /cm ² /s
5	99.9 cm ³ /cm ² /s

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Data hasil pengujian daya tembus udara jeratan *Cable* Benang Akrilik 100% Nm 32/2

Test Protocol http://192.168.1.2/data/ST3 cm kubik_DTU CABLE ACR_00154_2...

Static Air Permeability

Basic data

Style: ST3 cm kubik
Reference: DTU CABLE ACR
Date: 03.06.2021
Time: 13:43:21
Instrument: FX 3300 LabAir IV
Serial Number: 154

Settings

Test pressure: 100 Pa
Test area: 20 cm²
Nom / Min / Max: -1.00 / -1.00 / -1.00 cm³/cm²/s

Statistical analysis

Average: 169 cm³/cm²/s
Minimum: 152 cm³/cm²/s
Maximum: 185 cm³/cm²/s
CV: 7.48 %
Cpk: 0.0000

Test results

1	185 cm ³ /cm ² /s
2	170 cm ³ /cm ² /s
3	157 cm ³ /cm ² /s
4	180 cm ³ /cm ² /s
5	152 cm ³ /cm ² /s

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