LAMPIRAN

Lampiran 1 Data hasil pengujian CPI

Data hasil pengujian CPI jeratan *rib* 2x1

No.	CPI (*course per inch*) Bagian Depan			CPI (*course per inch*) Bagian Belakang		
	***Stitch cam* 13**	***Stitch cam* 15**	***Stitch cam* 18**	***Stitch cam* 13**	***Stitch cam* 15**	***Stitch cam* 18**
1	16	12	10	15	12	10
2	17	13	11	16	13	11
3	17	12	10	16	13	11
4	16	12	11	15	12	11
5	16	12	11	16	13	10
6	17	13	10	15	12	10
7	17	13	11	17	13	10
8	17	12	11	16	13	11
9	17	12	11	17	13	11
10	16	12	10	15	12	10
$\sum$	**166**	**123**	**106**	**158**	**126**	**105**
$\bar{x}$	**16,6**	**12,3**	**10,6**	**15,8**	**12,6**	**10,5**
S	**0,52**	**0,48**	**0,52**	**0,79**	**0,52**	**0,53**
CV (%)	**3,13**	**3,9**	**4,9**	**5**	**4,12**	**5,05**
E	**1,94**	**2,42**	**3,04**	**3,09**	**2,55**	**3,13**

Data hasil pengujian CPI jeratan *full cardigan*

No.	CPI (*course per inch*) Bagian Depan			CPI (*course per inch*) Bagian Belakang		
	***Stitch cam* 13**	***Stitch cam* 15**	***Stitch cam* 18**	***Stitch cam* 13**	***Stitch cam* 15**	***Stitch cam* 18**
1	9	9	7	10	10	7
2	10	9	6	10	9	7
3	10	10	7	10	9	6
4	10	10	7	9	9	6
5	9	10	6	9	9	6
6	9	9	6	10	10	7
7	11	10	7	10	9	7
8	11	9	6	11	9	7
9	10	9	6	9	9	6
10	10	9	7	9	10	7
$\sum$	**99**	**94**	**65**	**97**	**93**	**66**
$\bar{x}$	**9,9**	**9,4**	**6,5**	**9,7**	**9,3**	**6,6**
S	**0,74**	**0,52**	**0,53**	**0,67**	**0,48**	**0,52**
CV (%)	**7,47**	**5,53**	**8,15**	**6,9**	**5,16**	**7,87**
E	**4,63**	**3,43**	**5**	**4,27**	**3,19**	**4,87**

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

Lampiran 2 Data hasil pengujian WPI

Data hasil pengujian WPI jeratan *rib* 2x1

No.	WPI (*wale per inch*) Bagian Depan			WPI (*wale per inch*) Bagian Belakang		
	***Stitch cam* 13**	***Stitch cam* 15**	***Stitch cam* 18**	***Stitch cam* 13**	***Stitch cam* 15**	***Stitch cam* 18**
1	11	9	7	10	9	7
2	10	9	7	10	8	7
3	10	9	7	11	8	7
4	10	8	7	10	9	8
5	11	8	8	10	9	7
6	11	9	7	11	8	8
7	10	8	7	11	8	7
8	10	8	8	10	9	7
9	11	9	7	10	8	7
10	10	9	7	10	9	8
$\sum$	**104**	**86**	**72**	**103**	**85**	**73**
$\bar{x}$	**10,4**	**8,6**	**7,2**	**10,3**	**8,5**	**7,3**
S	**0,52**	**0,52**	**0,42**	**0,48**	**0,53**	**0,48**
CV (%)	**5**	**6,04**	**5,83**	**4,66**	**6,23**	**6,57**
E	**3,09**	**3,74**	**3,61**	**2,88**	**3,86**	**4,07**

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

Data hasil pengujian WPI jeratan *full cardigan*

No.	WPI (*wale per inch*) Bagian Depan			WPI (*wale per inch*) Bagian Belakang		
	***Stitch cam* 13**	***Stitch cam* 15**	***Stitch cam* 18**	***Stitch cam* 13**	***Stitch cam* 15**	***Stitch cam* 18**
1	14	10	8	12	11	9
2	14	10	8	12	10	9
3	12	10	9	13	10	9
4	12	11	9	14	11	9
5	12	11	9	14	10	8
6	13	10	9	12	10	9
7	14	11	8	12	10	9
8	12	10	9	12	11	9
9	12	10	9	13	11	9
10	13	10	9	13	10	8
$\sum$	**128**	**103**	**87**	**127**	**104**	**88**
$\bar{x}$	**12,8**	**10,3**	**8,7**	**12,7**	**10,4**	**8,8**
S	**0,91**	**0,48**	**0,48**	**0,82**	**0,52**	**0,42**
CV (%)	**7,11**	**4,66**	**5,51**	**6,45**	**5**	**4,77**
E	**4,4**	**2,88**	**3,41**	**4**	**3,09**	**2,95**

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

Lampiran 3 Data hasil pengujian Gramasi Kain

Data hasil pengujian gramasi kain jeratan *rib* 2x1

No.	Gramasi Kain (g/m^2)		
	***Stitch cam* 13**	***Stitch cam* 15**	***Stitch cam* 18**
1	623	467	378
2	624	465	377
3	624	469	375
4	625	468	378
5	623	466	379
6	621	466	376
7	625	469	380
8	623	467	378
9	624	465	379
10	621	468	380
$\sum$	**6233**	**4670**	**3780**
$\bar{x}$	**623,3**	**467**	**378**
S	**1,42**	**1,49**	**1,63**
CV (%)	**0,22**	**0,32**	**0,42**
E	**0,14**	**0,19**	**0,26**

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

Data hasil pengujian gramasi kain jeratan *full cardigan*

No.	Gramasi Kain (g/m^2)		
	***Stitch cam* 13**	***Stitch cam* 15**	***Stitch cam* 18**
1	458	420	316
2	460	422	317
3	457	419	315
4	457	420	318
5	458	417	313
6	456	421	316
7	459	420	319
8	455	418	317
9	458	419	315
10	457	422	316
$\sum$	**4575**	**4198**	**3162**
$\bar{x}$	**457,5**	**419,8**	**316,2**
S	**1,43**	**1,62**	**1,68**
CV (%)	**0,31**	**0,38**	**0,53**
E	**0,2**	**0,24**	**0,33**

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

Lampiran 4 Data hasil pengujian Perubahan Dimensi

Data hasil pengujian perubahan dimensi arah *course* untuk jeratan *rib* 2x1

No.	*Stitch cam* 13		*Stitch cam* 15		*Stitch cam* 18	
	Sebelum (cm)	**Sesudah (cm)**	**Sebelum (cm)**	**Sesudah (cm)**	**Sebelum (cm)**	**Sesudah (cm)**
1	25	24,5	25,1	24,4	25	24,1
2	25	24,5	25,4	24,8	25,3	24,5
3	25,2	24,6	25,1	24,4	25,4	24,5
$\sum$	**75,2**	**73,6**	**75,6**	**73,6**	**75,7**	**73,1**
$\bar{x}$	**25,07**	**24,5**	**25,2**	**24,53**	**25,23**	**24,37**
%	**-2,13**		**-2,66**		**-3,43**	
S	**0,22**		**0,24**		**0,23**	
CV (%)	**10,31**		**9,18**		**6,94**	
E	**11,68**		**10,4**		**7,87**	

Data hasil pengujian perubahan dimensi arah *course* untuk jeratan *full cardigan*

No.	*Stitch cam* 13		*Stitch cam* 15		*Stitch cam* 18	
	Sebelum (cm)	**Sesudah (cm)**	**Sebelum (cm)**	**Sesudah (cm)**	**Sebelum (cm)**	**Sesudah (cm)**
1	25,3	24,6	25,5	24,7	25,5	24,5
2	25,2	24,5	25,3	24,5	25	24,1
3	25,2	24,6	25,4	24,7	25,2	24,3
$\sum$	**75,7**	**73,7**	**76,2**	**73,9**	**75,7**	**72,9**
$\bar{x}$	**25,23**	**24,57**	**25,4**	**24,63**	**25,23**	**24,3**
%	**-2,61**		**-3,02**		**-3,69**	
S	**0,22**		**0,23**		**0,19**	
CV (%)	**8,53**		**7,66**		**5,24**	
E	**9,67**		**8,68**		**5,94**	

Data hasil pengujian perubahan dimensi arah *wale* untuk jeratan *rib* 2x1

No.	*Stitch cam* 13		*Stitch cam* 15		*Stitch cam* 18	
	Sebelum (cm)	**Sesudah (cm)**	**Sebelum (cm)**	**Sesudah (cm)**	**Sebelum (cm)**	**Sesudah (cm)**
1	24,8	25,2	24,6	25,2	25	25,8
2	24,5	24,9	24,7	25,3	24,8	25,5
3	24,8	25,3	24,4	25	24,6	25,4
$\sum$	**74,1**	**75,4**	**73,7**	**75,5**	**74,4**	**76,7**
$\bar{x}$	**24,7**	**25,13**	**24,57**	**25,17**	**24,8**	**25,57**
%	**1,75**		**2,44**		**3,1**	
S	**0,23**		**0,015**		**0,23**	
CV (%)	**13,18**		**0,62**		**7,61**	
E	**14,93**		**0,71**		**8,62**	

Data hasil pengujian perubahan dimensi arah *wale* untuk jeratan *full cardigan*

No.	*Stitch cam* 13		*Stitch cam* 15		*Stitch cam* 18	
	Sebelum (cm)	**Sesudah (cm)**	**Sebelum (cm)**	**Sesudah (cm)**	**Sebelum (cm)**	**Sesudah (cm)**
1	24,8	25,4	24,7	25,4	24,6	25,4
2	24,5	25	24,7	25,3	24,7	25,5
3	24,7	25,3	24,5	25,2	24,4	25,3
$\sum$	**74**	**75,7**	**73,9**	**75,9**	**73,7**	**76,2**
$\bar{x}$	**24,67**	**25,23**	**24,63**	**25,3**	**24,57**	**25,4**
%	**2,29**		**2,57**		**3,39**	
S	**0,22**		**0,23**		**0,25**	
CV (%)	**9,68**		**8,76**		**7,41**	
E	**10,96**		**9,93**		**8,39**	

Lampiran 5 Data hasil pengujian Daya Tembus Udara

Data hasil pengujian daya tembus udara jeratan *rib* 2x1

TEXTEST INSTRUMENTS

Static Air Permeability

Basic data	
Style:	ST3 cm kubik
Reference:	RIB 2X1-SC=13-MEY
Date:	03.06.2021
Time:	13:16:29
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 $cm^3/cm^2/s$

Statistical analysis	
Average:	54.0 $cm^3/cm^2/s$
Minimum:	50.0 $cm^3/cm^2/s$
Maximum:	57.4 $cm^3/cm^2/s$
CV:	5.15 %
Cpk:	0.0000

Test results	
1	53.2 $cm^3/cm^2/s$
2	57.4 $cm^3/cm^2/s$
3	50.0 $cm^3/cm^2/s$
4	56.8 $cm^3/cm^2/s$
5	52.5 $cm^3/cm^2/s$

TEXTEST INSTRUMENTS

Static Air Permeability

Basic data	
Style:	ST3 cm kubik
Reference:	RIB 2X1-SC=15-MEY
Date:	03.06.2021
Time:	13:12:48
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 $cm^3/cm^2/s$

Statistical analysis	
Average:	83.2 $cm^3/cm^2/s$
Minimum:	82.1 $cm^3/cm^2/s$
Maximum:	84.6 $cm^3/cm^2/s$
CV:	1.21 %
Cpk:	0.0000

Test results	
1	83.3 $cm^3/cm^2/s$
2	84.6 $cm^3/cm^2/s$
3	82.1 $cm^3/cm^2/s$
4	84.0 $cm^3/cm^2/s$
5	82.2 $cm^3/cm^2/s$

TEXTEST INSTRUMENTS

Static Air Permeability

Basic data	
Style:	**ST3 cm kubik**
Reference:	**RIB 2X1-SC=18-MEY**
Date:	**03.06.2021**
Time:	**13:08:05**
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 $cm^3/cm^2/s$

Statistical analysis	
Average:	129 $cm^3/cm^2/s$
Minimum:	124 $cm^3/cm^2/s$
Maximum:	143 $cm^3/cm^2/s$
CV:	5.56 %
Cpk:	0.0000

Test results	
1	143 $cm^3/cm^2/s$
2	131 $cm^3/cm^2/s$
3	124 $cm^3/cm^2/s$
4	125 $cm^3/cm^2/s$
5	124 $cm^3/cm^2/s$

Data hasil pengujian daya tembus udara jeratan *full cardigan*

Test Protocol http://192.168.1.2/data/ST3 cm kubik_FULL CARDIGAN-SC=13-

TEXTEST INSTRUMENTS

Static Air Permeability

Basic data	
Style:	ST3 cm kubik
Reference:	FULL CARDIGAN-SC=13-MEY
Date:	03.06.2021
Time:	13:34:10
Instrument:	FX 3300 LabAir IV
Serial Number:	154

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

Statistical analysis	
Average:	138 $cm^3/cm^2/s$
Minimum:	126 $cm^3/cm^2/s$
Maximum:	149 $cm^3/cm^2/s$
CV:	6.60 %
Cpk:	0.0000

Test results	
1	149 $cm^3/cm^2/s$
2	148 $cm^3/cm^2/s$
3	126 $cm^3/cm^2/s$
4	136 $cm^3/cm^2/s$
5	132 $cm^3/cm^2/s$

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TEXTEST INSTRUMENTS

Static Air Permeability

Basic data	
Style:	ST3 cm kubik
Reference:	FULL CARDIGAN-SC=15-MEY
Date:	03.06.2021
Time:	13:36:35
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 $cm^3/cm^2/s$

Statistical analysis	
Average:	141 $cm^3/cm^2/s$
Minimum:	132 $cm^3/cm^2/s$
Maximum:	149 $cm^3/cm^2/s$
CV:	4.27 %
Cpk:	0.0000

Test results	
1	149 $cm^3/cm^2/s$
2	143 $cm^3/cm^2/s$
3	132 $cm^3/cm^2/s$
4	146 $cm^3/cm^2/s$
5	136 $cm^3/cm^2/s$

TEXTEST INSTRUMENTS

Static Air Permeability

Basic data	
Style:	ST3 cm kubik
Reference:	FULL CARDIGAN-SC=18-MEY
Date:	03.06.2021
Time:	13:39:39
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 $cm^3/cm^2/s$

Statistical analysis	
Average:	200 $cm^3/cm^2/s$
Minimum:	194 $cm^3/cm^2/s$
Maximum:	206 $cm^3/cm^2/s$
CV:	2.62 %
Cpk:	0.0000

Test results	
1	206 $cm^3/cm^2/s$
2	194 $cm^3/cm^2/s$
3	204 $cm^3/cm^2/s$
4	194 $cm^3/cm^2/s$
5	204 $cm^3/cm^2/s$

Lampiran 6 Data hasil pengujian Ketebalan Kain

Data hasil pengujian ketebalan kain untuk jeratan *rib* 2x1

No.	Ketebalan Kain (mm)		
	***Stitch cam* 13**	***Stitch cam* 15**	***Stitch cam* 18**
1	2,33	2,07	1,92
2	2,35	2,06	1,94
3	2,34	2,09	1,93
4	2,33	2,07	1,92
5	2,34	2,09	1,93
6	2,35	2,08	1,91
7	2,31	2,06	1,92
8	2,33	2,07	1,90
9	2,36	2,09	1,95
10	2,31	2,05	1,92
$\sum$	**23,3**	**20,7**	**19,2**
$\bar{x}$	**2,33**	**2,07**	**1,92**
S	**0,017**	**0,014**	**0,015**
CV (%)	**0,73**	**0,68**	**0,78**
E	**0,45**	**0,42**	**0,48**

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

Data hasil pengujian ketebalan kain untuk jeratan *full cardigan*

No.	Ketebalan Kain (mm)		
	***Stitch cam* 13**	***Stitch cam* 15**	***Stitch cam* 18**
1	1,59	1,14	0,95
2	1,60	1,13	0,93
3	1,59	1,14	0,94
4	1,57	1,12	0,95
5	1,61	1,16	0,93
6	1,58	1,15	0,97
7	1,59	1,12	0,95
8	1,58	1,15	0,98
9	1,60	1,17	0,97
10	1,58	1,14	0,96
$\sum$	**15,9**	**11,4**	**9,5**
$\bar{x}$	**1,59**	**1,14**	**0,95**
S	**0,012**	**0,016**	**0,017**
CV (%)	**0,75**	**1,4**	**1,78**
E	**0,46**	**0,87**	**1,1**

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