

LAMPIRAN

Lampiran 2
Perhitungan Kecukupan Data

1. Perhitungan Uji Kecukupan Data *Soft Cons*

$$N' = \left[\frac{40 \sqrt{N \sum X^2 - (\sum X)^2}}{\sum X} \right]^2$$

$$N' = \left[\frac{40 \sqrt{7420502,88 - 247350,4}}{2724,1} \right]^2$$

$$N' = 0,0020$$

2. Perhitungan Uji Kecukupan Data Celup

$$N' = \left[\frac{40 \sqrt{N \sum X^2 - (\sum X)^2}}{\sum X} \right]^2$$

$$N' = \left[\frac{40 \sqrt{95265408,16 - 3175875,8}}{9760,4} \right]^2$$

$$N' = 0,1825$$

3. Perhitungan Uji Kecukupan Data Peras

$$N' = \left[\frac{40 \sqrt{N \sum X^2 - (\sum X)^2}}{\sum X} \right]^2$$

$$N' = \left[\frac{40 \sqrt{3006756 - 100340}}{1734} \right]^2$$

$$N' = 1,8327$$

4. Perhitungan Uji Kecukupan Data Oven

$$N' = \left[\frac{40 \sqrt{N \sum X^2 - (\sum X)^2}}{\sum X} \right]^2$$

$$N' = \left[\frac{40 \sqrt{12068676 - 402788}}{3474} \right]^2$$

$$N' = 1,9838$$

5. Perhitungan Uji Kecukupan Data *Kelos*

$$N' = \left[\frac{40 \sqrt{N \sum X^2 - (\sum X)^2}}{\sum X} \right]^2$$

$$N' = \left[\frac{40 \sqrt{7344100 - 245004}}{2710} \right]^2$$

$$N' = 1,31$$

6. Perhitungan Uji Kecukupan Data *Warping*

$$N' = \left[\frac{40 \sqrt{N \sum X^2 - (\sum X)^2}}{\sum X} \right]^2$$

$$N' = \left[\frac{40 \sqrt{10632,5 - 354,5}}{103,1} \right]^2$$

$$N' = 0,2215$$

7. Perhitungan Uji Kecukupan Data *Over Beam*

$$N' = \left[\frac{40 \sqrt{N \sum - (\sum X)^2}}{\sum X} \right]^2$$

$$N' = \left[\frac{40 \sqrt{10022,15 - 334,1}}{100,1} \right]^2$$

$$N' = 0,2215$$

8. Perhitungan Uji Kecukupan Data *Sizing*

$$N' = \left[\frac{40 \sqrt{N \sum X^2 - (\sum X)^2}}{\sum X} \right]^2$$

$$N' = \left[\frac{40 \sqrt{18902,22 - 630,2}}{137,5} \right]^2$$

$$N' = 0,2215$$

9. Perhitungan Uji Kecukupan Data Pencucukan

$$N' = \left[\frac{40 \sqrt{N \sum X^2 - (\sum X)^2}}{\sum X} \right]^2$$

$$N' = \left[\frac{40 \sqrt{14265729 - 477129}}{3777} \right]^2$$

$$N' = 5,3993$$

10. Perhitungan Uji Kecukupan Data *Weaving*

$$N' = \left[\frac{40 \sqrt{N \sum X^2 - (\sum X)^2}}{\sum X} \right]^2$$

$$N' = \left[\frac{40 \sqrt{548028100 - 18269800}}{23410} \right]^2$$

$$N' = 0,1924$$

11. Perhitungan Uji Kecukupan Data *Gray Room*

$$N' = \left[\frac{40 \sqrt{N \sum X^2 - (\sum X)^2}}{\sum X} \right]^2$$

$$N' = \left[\frac{40 \sqrt{265245,6 - 8842,6}}{515} \right]^2$$

$$N' = 0,1924$$

12. Perhitungan Uji Kecukupan Data Bakar Bulu

$$N' = \left[\frac{40 \sqrt{N \sum X^2 - (\sum X)^2}}{\sum X} \right]^2$$

$$N' = \left[\frac{40 \sqrt{16577,85 - 552,7}}{128,8} \right]^2$$

$$N' = 0,192$$

13. Perhitungan Uji Kecukupan Data *Washing*

$$N' = \left[\frac{40 \sqrt{N \sum X^2 - (\sum X)^2}}{\sum X} \right]^2$$

$$N' = \left[\frac{40 \sqrt{16577,85 - 552,7}}{128,8} \right]^2$$

$$N' = 0,192$$

14. Perhitungan Uji Kecukupan Data *Stenter*

$$N' = \left[\frac{40 \sqrt{N \sum X^2 - (\sum X)^2}}{\sum X} \right]^2$$

$$N' = \left[\frac{40 \sqrt{16577,85 - 552,7}}{128,8} \right]^2$$

$$N' = 0,192$$

15. Perhitungan Uji Kecukupan Data *Calender*

$$N' = \left[\frac{40 \sqrt{N \sum X^2 - (\sum X)^2}}{\sum X} \right]^2$$

$$N' = \left[\frac{40 \sqrt{66311,4 - 2210,6}}{257,5} \right]^2$$

$$N' = 0,1924$$

16. Perhitungan Uji Kecukupan Data *Sensor Finis*

$$N' = \left[\frac{40 \sqrt{N \sum X^2 - (\sum X)^2}}{\sum X} \right]^2$$

$$N' = \left[\frac{40 \sqrt{240585,58 - 8020,5}}{490,5} \right]^2$$

$$N' = 0,1924$$

17. Perhitungan Uji Kecukupan Data Potong

$$N' = \left[\frac{40 \sqrt{N \sum X^2 - (\sum X)^2}}{\sum X} \right]^2$$

$$N' = \left[\frac{40 \sqrt{152230,03 - 8020,5}}{390,2} \right]^2$$

$$N' = 0,1924$$

18. Perhitungan Uji Kecukupan Data Jahit

$$N' = \left[\frac{40 \sqrt{N \sum X^2 - (\sum X)^2}}{\sum X} \right]^2$$

$$N' = \left[\frac{40 \sqrt{2435680,44 - 81199,1}}{1560,7} \right]^2$$

$$N' = 0,1924$$

19. Perhitungan Uji Kecukupan Data Lipat

$$N' = \left[\frac{40 \sqrt{N \sum X^2 - (\sum X)^2}}{\sum X} \right]^2$$

$$N' = \left[\frac{40 \sqrt{1370070,25 - 45674,5}}{1170,5} \right]^2$$

$$N' = 0,1924$$

Lampiran 3

Uji Keseragaman Data

1. Perhitungan Uji Keseragaman Data *Soft Cons*

$$BKA = X + 2\sigma$$

$$BKA = 90,8 + 2(0,104)$$

$$BKA = \hat{i} \quad 91,01$$

$$BKB = X - 2\sigma$$

$$BKB = 90,8 - 2(0,104)$$

$$BKB = \hat{i} \quad 90,59$$

2. Perhitungan Uji Keseragaman Data Celup

$$BKA = X + 2\sigma$$

$$BKA = 325,35 + 2(3,534)$$

$$BKA = \hat{i} \quad 332,41$$

$$BKB = X - 2\sigma$$

$$BKB = 325,35 - 2(3,534)$$

$$BKB = \hat{i} \quad 318,28$$

3. Perhitungan Uji Keseragaman Data Peras

$$BKA = X + 2\sigma$$

$$BKA = 57,8 + 2(1,990)$$

$$BKA = \hat{i} \quad 61,78$$

$$BKB = X - 2\sigma$$

$$BKB = 57,8 - 2(1,990)$$

$$BKB = \hat{i} \quad 53,82$$

4. Perhitungan Uji Keseragaman Data Oven

$$BKA = X + 2\sigma$$

$$BKA = 115,8 + 2(1,990)$$

$$BKA = \hat{i} \quad 124,09$$

$$BKB = X - 2\sigma$$

$$BKB = 115,8 - 2(1,990)$$

$$BKB = \hat{i} \quad 107,51$$

5. Perhitungan Uji Keseragaman Data Kelos

$$BKA = X + 2\sigma$$

$$BKA = 90,33 + 2(2,631)$$

$$BKA = \hat{i} \quad 95,59$$

$$BKB = X - 2\sigma$$

$$BKB = 90,33 - 2(2,631)$$

$$BKB = \hat{i} \quad 85,07$$

6. Perhitungan Uji Keseragaman Data *Warping*

$$BKA = X + 2\sigma$$

$$BKA = 3,44 + 2(0,041)$$

$$BKA = \hat{i} \quad 3,52$$

$$BKB = X - 2\sigma$$

$$BKB = 3,44 - 2(0,041)$$

$$BKB = \hat{i} \quad 3,35$$

7. Perhitungan Uji Keseragaman Data *Over Beam*

$$BKA = X + 2\sigma$$

$$BKA = 3,34 + 2(0,041)$$

$$BKA = \hat{i} \quad 3,42$$

$$BKB = X - 2\sigma$$

$$BKB = 3,34 - 2(0,041)$$

$$BKB = \hat{i} \quad 3,26$$

8. Perhitungan Uji Keseragaman Data *Sizing*

$$BKA = X + 2\sigma$$

$$BKA = 4,58 + 2(0,055)$$

$$BKA = \hat{i} \quad 4,69$$

$$BKB = X - 2\sigma$$

$$BKB = 4,58 - 2(0,055)$$

$$BKB = \hat{i} \quad 4,47$$

9. Perhitungan Uji Keseragaman Data *Pencucukan*

$$BKA = X + 2\sigma$$

$$BKA = 125,9 + 2(7,439)$$

$$BKA = \hat{=} 140,78$$

$$BKB = X - 2\sigma$$

$$BKB = 125,9 - 2(7,439)$$

$$BKB = \hat{=} 111,02$$

10. Perhitungan Uji Keseragaman Data *Weaving*

$$BKA = X + 2\sigma$$

$$BKA = 780,33 + 2(8,703)$$

$$BKA = \hat{=} 797,74$$

$$BKB = X - 2\sigma$$

$$BKB = 780,33 - 2(8,703)$$

$$BKB = \hat{=} 762,93$$

11. Perhitungan Uji Keseragaman Data *Gray Room*

$$BKA = X + 2\sigma$$

$$BKA = 17,17 + 2(0,191)$$

$$BKA = \hat{=} 17,6$$

$$BKB = X - 2\sigma$$

$$BKB = 17,17 - 2(0,191)$$

$$BKB = \hat{=} 16,78$$

12. Perhitungan Uji Keseragaman Data Bakar Bulu

$$BKA = X + 2\sigma$$

$$BKA = 4,29 + 2(0,048)$$

$$BKA = \hat{=} 4,4$$

$$BKB = X - 2\sigma$$

$$BKB = 4,29 - 2(0,048)$$

$$BKB = \hat{=} 4,20$$

13. Perhitungan Uji Keseragaman Data *Washing*

$$BKA = X + 2\sigma$$

$$BKA = 4,29 + 2(0,048)$$

$$BKA = \hat{=} 4,4$$

$$BKB = X - 2\sigma$$

$$BKB = 4,29 - 2(0,048)$$

$$BKB = \hat{=} 4,20$$

14. Perhitungan Uji Keseragaman Data *Stenter*

$$BKA = X + 2\sigma$$

$$BKA = 4,29 + 2(0,048)$$

$$BKA = \hat{=} 4,4$$

$$BKB = X - 2\sigma$$

$$BKB = 4,29 - 2(0,048)$$

$$BKB = \hat{=} 4,20$$

15. Perhitungan Uji Keseragaman Data *Calender*

$$BKA = X + 2\sigma$$

$$BKA = 8,58 + 2(0,096)$$

$$BKA = \hat{=} 8,8$$

$$BKB = X - 2\sigma$$

$$BKB = 8,58 - 2(0,096)$$

$$BKB = \hat{=} 8,39$$

16. Perhitungan Uji Keseragaman Data *Sensor Finis*

$$BKA = X + 2\sigma$$

$$BKA = 16,35 + 2(0,182)$$

$$BKA = \hat{=} 16,7$$

$$BKB = X - 2\sigma$$

$$BKB = 16,35 - 2(0,182)$$

$$BKB = \hat{=} 15,99$$

17. Perhitungan Uji Keseragaman Data Potong

$$BKA = X + 2\sigma$$

$$BKA = 13,01 + 2(0,145)$$

$$BKA = \hat{=} 13,3$$

$$BKB = X - 2\sigma$$

$$BKB = 13,01 - 2(0,145)$$

$$BKB = \hat{x} \quad 12,72$$

18. Perhitungan Uji Keseragaman Data Jahit

$$BKA = X + 2\sigma$$

$$BKA = 52,02 + 2(0,580)$$

$$BKA = \hat{x} \quad 53,2$$

$$BKB = X - 2\sigma$$

$$BKB = 52,02 - 2(0,580)$$

$$BKB = \hat{x} \quad 50,86$$

19. Perhitungan Uji Keseragaman Data Lipat

$$BKA = X + 2\sigma$$

$$BKA = 39,02 + 2(0,435)$$

$$BKA = \hat{x} \quad 39,9$$

$$BKB = X - 2\sigma$$

$$BKB = 39,02 - 2(0,435)$$

$$BKB = \hat{x} \quad 38,15$$