

## LAMPIRAN

### 4.1.3

\*Sampel 1 (4 Jam)

$$\begin{aligned} DSA &= \frac{B_2 - B_1}{B_1} \times 100\% \\ &= \frac{19.100 - 19.042}{19.042} \times 100\% \\ &= 0.304\% \end{aligned}$$

\*Sampel 2 (4 Jam)

$$\begin{aligned} DSA &= \frac{B_2 - B_1}{B_1} \times 100\% \\ &= \frac{18.300 - 18.260}{18.260} \times 100\% \\ &= 0.219\% \end{aligned}$$

\*Sampel 3 (4 Jam)

$$\begin{aligned} DSA &= \frac{B_2 - B_1}{B_1} \times 100\% \\ &= \frac{19.641 - 19.614}{19.641} \times 100\% \\ &= 0.137\% \end{aligned}$$

\*Sampel 1 (8 Jam)

$$\begin{aligned} DSA &= \frac{B_2 - B_1}{B_1} \times 100\% \\ &= \frac{19.152 - 19.042}{19.042} \times 100\% \\ &= 0.577\% \end{aligned}$$

\*Sampel 2 (8 Jam)

$$\begin{aligned} DSA &= \frac{B_2 - B_1}{B_1} \times 100\% \\ &= \frac{19.152 - 19.042}{19.042} \times 100\% \\ &= 0.421\% \end{aligned}$$

\*Sampel 3 (8 Jam)

$$\begin{aligned} DSA &= \frac{B_2 - B_1}{B_1} \times 100\% \\ &= \frac{19.668 - 19.614}{19.614} \times 100\% \\ &= 0.275\% \end{aligned}$$

\*Sampel 1 (12 Jam)

$$\begin{aligned} DSA &= \frac{B_2 - B_1}{B_1} \times 100\% \\ &= \frac{19.174 - 19.042}{19.042} \times 100\% \\ &= 0.693\% \end{aligned}$$

\*Sampel 2 (12 Jam)

$$\begin{aligned} DSA &= \frac{B_2 - B_1}{B_1} \times 100\% \\ &= \frac{18.375 - 18.260}{18.260} \times 100\% \\ &= 0.629\% \end{aligned}$$

\*Sampel 3 (12 Jam)

$$\begin{aligned} DSA &= \frac{B_2 - B_1}{B_1} \times 100\% \\ &= \frac{19.729 - 19.614}{19.614} \times 100\% \\ &= 0.586\% \end{aligned}$$

#### 4.1.4

\*Sampel 1

$$\begin{aligned} &\frac{\pi D^2}{4} \times t \\ &= \frac{3,14 (27.5)^2}{4} \times 22.5 \\ &= 13.557 \frac{gr}{cm^3} \end{aligned}$$

\*Sampel 2

$$\begin{aligned} &\frac{\pi D^2}{4} \times t \\ &= \frac{3,14 (27.5)^2}{4} \times 22 \\ &= 13.060 \frac{gr}{cm^3} \end{aligned}$$

\*Sampel 3

$$\begin{aligned} &\frac{\pi D^2}{4} \times t \\ &= \frac{3,14 (27)^2}{4} \times 22 \\ &= 12.589 \frac{gr}{cm^3} \end{aligned}$$

#### 4.1.5

\*Sampel 1

$$\begin{aligned} \mu_s &= \frac{F}{N} \\ &= \frac{1.754}{6.076} \\ &= 0.288 \text{ N} \end{aligned}$$

\*Sampel 2

$$\begin{aligned} \mu_s &= \frac{F}{N} \\ &= \frac{1.754}{6.076} \\ &= 0.288 \text{ N} \end{aligned}$$

\*Sampel 3

$$\begin{aligned}\mu_s &= \frac{F}{N} \\ &= \frac{1.617}{6.076} \\ &= 0.266 \text{ N}\end{aligned}$$

- Massa Spesimen 1 Gesek



- Massa Spesimen 2 Gesek



- Massa Spesimen 3 Gesek



- Spesimen 1 Utuh



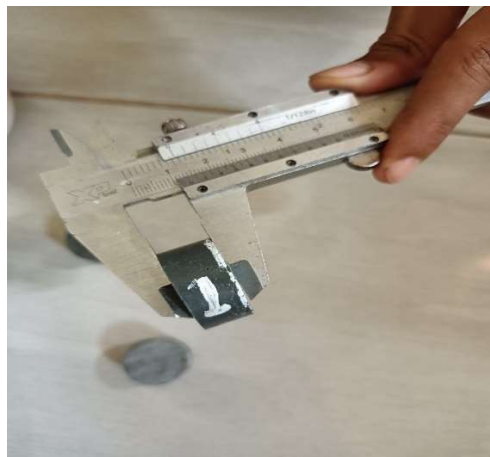
- Spesimen 2 Utuh



- Spesimen 3 Utuh



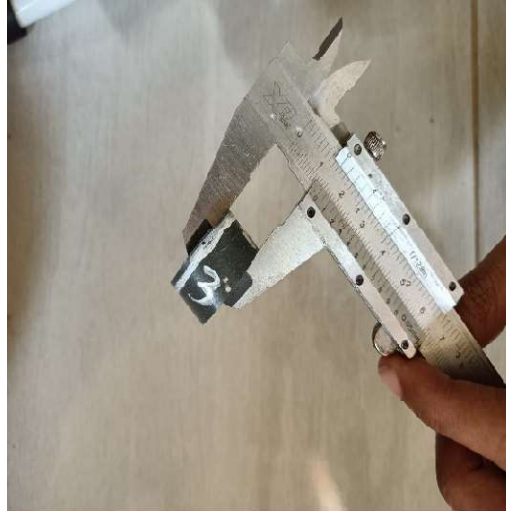
- Tebal Spesimen 1 Gesek



- Tebal Spesimen 2 Gesek



- Tebal Spesimen 3 Gesek



- Cetakan Spesimen

