

## LAMPIRAN

Lampiran A Gambar alat uji daya tembus udara dan SGHP



Alat uji daya tembus udara merk Textest



Alat uji sweating guarded hotplate merk SDL Atlas

**Lampiran B** Data uji massa (g)

| Jenis contoh uji | Pengukuran massa ke- (g) |        |        |        |        | Rata-rata (g) | SD    | CV (%) |
|------------------|--------------------------|--------|--------|--------|--------|---------------|-------|--------|
|                  | 1                        | 2      | 3      | 4      | 5      |               |       |        |
| Kain pelapis     | 1,028                    | 0,957  | 1,017  | 0,958  | 0,968  | 0,986         | 0,034 | 3,47%  |
| Vest A           | 1,362                    | 1,361  | 1,365  | 1,362  | 1,363  | 1,363         | 0,002 | 0,11%  |
| F1               | 6,000                    | 6,100  | 6,100  | 5,900  | 6,200  | 6,060         | 0,114 | 1,88%  |
| F2               | 10,100                   | 10,100 | 10,200 | 9,800  | 9,900  | 10,020        | 0,164 | 1,64%  |
| F3               | 12,200                   | 12,000 | 12,300 | 11,900 | 11,800 | 12,040        | 0,207 | 1,72%  |
| NT1S             | 3,292                    | 3,240  | 3,207  | 3,091  | 3,256  | 3,217         | 0,077 | 2,39%  |
| NT2S             | 3,386                    | 3,553  | 3,588  | 3,434  | 3,322  | 3,457         | 0,112 | 3,24%  |
| NT3S             | 3,635                    | 3,560  | 3,800  | 4,265  | 4,310  | 3,914         | 0,352 | 9,00%  |
| NT1D             | 5,600                    | 6,480  | 6,414  | 6,182  | 6,512  | 6,238         | 0,379 | 6,08%  |
| NT2D             | 6,772                    | 7,176  | 6,584  | 6,868  | 6,644  | 6,809         | 0,233 | 3,42%  |
| NT3D             | 7,270                    | 7,120  | 7,106  | 8,530  | 8,620  | 7,729         | 0,775 | 10,03% |

**Lampiran C** Data uji ketebalan (mm)

| Jenis contoh uji | Pengukuran ketebalan ke- (mm) |       |       |       |       | Rata-rata (mm) | SD   | CV (%) |
|------------------|-------------------------------|-------|-------|-------|-------|----------------|------|--------|
|                  | 1                             | 2     | 3     | 4     | 5     |                |      |        |
| Kain pelapis     | 0,18                          | 0,17  | 0,19  | 0,18  | 0,18  | 0,18           | 0,01 | 3,93%  |
| Vest A           | 1,20                          | 1,56  | 1,28  | 1,33  | 1,14  | 1,30           | 0,16 | 12,41% |
| F1               | 11,82                         | 13,82 | 11,82 | 13,82 | 12,82 | 12,82          | 1,00 | 7,80%  |
| F2               | 33,82                         | 33,82 | 33,82 | 32,82 | 33,82 | 33,62          | 0,45 | 1,33%  |
| F3               | 41,82                         | 42,82 | 42,82 | 45,82 | 46,82 | 44,02          | 2,17 | 4,92%  |
| NT1S             | 1,84                          | 1,65  | 2,02  | 1,80  | 1,78  | 1,82           | 0,13 | 7,34%  |
| NT2S             | 2,73                          | 2,34  | 2,34  | 2,10  | 2,17  | 2,34           | 0,24 | 10,45% |
| NT3S             | 2,61                          | 2,33  | 2,58  | 2,71  | 2,66  | 2,58           | 0,15 | 5,71%  |
| NT1D             | 3,68                          | 3,30  | 4,04  | 3,60  | 3,56  | 3,64           | 0,27 | 7,34%  |
| NT2D             | 5,46                          | 4,68  | 4,68  | 4,20  | 4,34  | 4,67           | 0,49 | 10,45% |
| NT3D             | 5,22                          | 4,66  | 5,16  | 5,42  | 5,32  | 5,16           | 0,29 | 5,71%  |

**Lampiran D** Data uji gramasi ( $\text{g/m}^2$ )

| Jenis contoh uji | Pengukuran massa ke- (g) |        |        |        |        | Rata-rata (g) | SD    | CV (%) | Luas area (m <sup>2</sup> ) | Gramasi (g/m <sup>2</sup> ) |
|------------------|--------------------------|--------|--------|--------|--------|---------------|-------|--------|-----------------------------|-----------------------------|
|                  | 1                        | 2      | 3      | 4      | 5      |               |       |        |                             |                             |
| Kain pelapis     | 1,028                    | 0,957  | 1,017  | 0,958  | 0,968  | 0,986         | 0,034 | 3,47%  | 0,01                        | 98,56                       |
| Vest A           | 1,362                    | 1,361  | 1,365  | 1,362  | 1,363  | 1,363         | 0,002 | 0,11%  | 0,01                        | 136,26                      |
| F1               | 6,000                    | 6,100  | 6,100  | 5,900  | 6,200  | 6,060         | 0,114 | 1,88%  | 0,01                        | 606,00                      |
| F2               | 10,100                   | 10,100 | 10,200 | 9,800  | 9,900  | 10,020        | 0,164 | 1,64%  | 0,01                        | 1002,00                     |
| F3               | 12,200                   | 12,000 | 12,300 | 11,900 | 11,800 | 12,040        | 0,207 | 1,72%  | 0,01                        | 1204,00                     |
| NT1S             | 3,292                    | 3,240  | 3,207  | 3,091  | 3,256  | 3,217         | 0,077 | 2,39%  | 0,01                        | 321,72                      |
| NT2S             | 3,386                    | 3,553  | 3,588  | 3,434  | 3,322  | 3,457         | 0,112 | 3,24%  | 0,01                        | 345,66                      |
| NT3S             | 3,635                    | 3,560  | 3,800  | 4,265  | 4,310  | 3,914         | 0,352 | 9,00%  | 0,01                        | 391,40                      |
| NT1D             | 5,600                    | 6,480  | 6,414  | 6,182  | 6,512  | 6,238         | 0,379 | 6,08%  | 0,01                        | 623,76                      |
| NT2D             | 6,772                    | 7,176  | 6,584  | 6,868  | 6,644  | 6,809         | 0,233 | 3,42%  | 0,01                        | 680,88                      |
| NT3D             | 7,270                    | 7,120  | 7,106  | 8,530  | 8,620  | 7,729         | 0,775 | 10,03% | 0,01                        | 772,92                      |

**Lampiran E** Data uji densitas (kg/m<sup>3</sup>)

| Jenis contoh uji | Pengukuran densitas ke- (kg/m <sup>3</sup> ) |         |         |         |         | Rata-rata (kg/m <sup>3</sup> ) | SD     | CV (%) |
|------------------|----------------------------------------------|---------|---------|---------|---------|--------------------------------|--------|--------|
|                  | 1                                            | 2       | 3       | 4       | 5       |                                |        |        |
| Kain pelapis     | 571,111                                      | 562,941 | 535,263 | 532,222 | 537,778 | 547,863                        | 17,839 | 3,26%  |
| Vest A           | 113,500                                      | 87,244  | 106,641 | 102,406 | 119,561 | 105,870                        | 12,300 | 11,62% |
| F1               | 50,761                                       | 44,139  | 51,607  | 42,692  | 48,362  | 47,512                         | 3,958  | 8,33%  |
| F2               | 29,864                                       | 29,864  | 30,160  | 29,860  | 29,273  | 29,804                         | 0,324  | 1,09%  |
| F3               | 29,173                                       | 28,024  | 28,725  | 25,971  | 25,203  | 27,419                         | 1,743  | 6,36%  |
| NT1S             | 178,913                                      | 196,364 | 158,762 | 171,722 | 182,921 | 177,737                        | 13,887 | 7,81%  |
| NT2S             | 124,029                                      | 151,838 | 153,333 | 163,524 | 153,088 | 149,162                        | 14,815 | 9,93%  |
| NT3S             | 139,272                                      | 152,790 | 147,287 | 157,380 | 162,030 | 151,752                        | 8,861  | 5,84%  |
| NT1D             | 152,174                                      | 196,364 | 158,762 | 171,722 | 182,921 | 172,389                        | 17,892 | 10,38% |
| NT2D             | 124,029                                      | 153,333 | 140,684 | 163,524 | 153,088 | 146,932                        | 15,147 | 10,31% |
| NT3D             | 139,272                                      | 152,790 | 137,713 | 157,380 | 162,030 | 149,837                        | 10,873 | 7,26%  |

**Lampiran F** Data uji daya tembus udara ( $\text{cm}^3/\text{s}/\text{cm}^2$ )

| Jenis contoh uji | Pengukuran dtu ke- ( $\text{cm}^3/\text{s}/\text{cm}^2$ ) |       |       |       |       | Rata-rata ( $\text{cm}^3/\text{s}/\text{cm}^2$ ) | SD    | CV (%) |
|------------------|-----------------------------------------------------------|-------|-------|-------|-------|--------------------------------------------------|-------|--------|
|                  | 1                                                         | 2     | 3     | 4     | 5     |                                                  |       |        |
| Kain pelapis     | 2,460                                                     | 2,400 | 2,300 | 2,220 | 2,300 | 2,336                                            | 0,094 | 4,03%  |
| Vest A           | 0,525                                                     | 0,541 | 0,499 | 0,582 | 0,523 | 0,534                                            | 0,031 | 5,76%  |
| F1               | 1,230                                                     | 1,220 | 1,220 | 1,240 | 1,250 | 1,232                                            | 0,013 | 1,06%  |
| F2               | 1,160                                                     | 1,150 | 1,170 | 1,170 | 1,180 | 1,166                                            | 0,011 | 0,98%  |
| F3               | 1,070                                                     | 1,020 | 1,040 | 1,060 | 1,070 | 1,052                                            | 0,022 | 2,06%  |
| NT1S             | 1,120                                                     | 1,190 | 1,190 | 1,170 | 1,160 | 1,166                                            | 0,029 | 2,47%  |
| NT2S             | 1,090                                                     | 1,090 | 1,080 | 1,150 | 1,120 | 1,106                                            | 0,029 | 2,60%  |
| NT3S             | 1,040                                                     | 1,060 | 1,060 | 1,050 | 1,040 | 1,050                                            | 0,010 | 0,95%  |
| NT1D             | 1,300                                                     | 1,280 | 1,270 | 1,310 | 1,310 | 1,294                                            | 0,018 | 1,40%  |
| NT2D             | 1,260                                                     | 1,260 | 1,290 | 1,260 | 1,290 | 1,272                                            | 0,016 | 1,29%  |
| NT3D             | 1,050                                                     | 1,060 | 1,110 | 1,060 | 1,030 | 1,062                                            | 0,029 | 2,78%  |

**Lampiran G** Data uji resistensi termal ( $\text{m}^2 \cdot ^\circ\text{C}/\text{W}$ )

| Jenis contoh uji | Pengukuran Rct ke- ( $\text{m}^2 \cdot ^\circ\text{C}/\text{W}$ ) |        |        | Rata-rata ( $\text{m}^2 \cdot ^\circ\text{C}/\text{W}$ ) | SD     | CV (%) |
|------------------|-------------------------------------------------------------------|--------|--------|----------------------------------------------------------|--------|--------|
|                  | 1                                                                 | 2      | 3      |                                                          |        |        |
| Kain pelapis     | 0,0023                                                            | 0,0029 | 0,0029 | 0,0027                                                   | 0,0003 | 12,83% |
| Vest A           | 0,3286                                                            | 0,3146 | 0,3234 | 0,3222                                                   | 0,0071 | 2,20%  |
| F1               | 0,9395                                                            | 0,8074 | 0,7558 | 0,8342                                                   | 0,0947 | 11,36% |
| F2               | 1,7636                                                            | 1,7371 | 1,6925 | 1,7311                                                   | 0,0359 | 2,08%  |
| F3               | 1,8951                                                            | 1,9738 | 2,6730 | 2,1806                                                   | 0,4282 | 19,64% |
| NT1S             | 0,3047                                                            | 0,2985 | 0,3091 | 0,3041                                                   | 0,0053 | 1,75%  |
| NT2S             | 0,3389                                                            | 0,3511 | 0,3511 | 0,3470                                                   | 0,0070 | 2,03%  |
| NT3S             | 0,3887                                                            | 0,3518 | 0,3316 | 0,3574                                                   | 0,0290 | 8,10%  |
| NT1D             | 0,4902                                                            | 0,5225 | 0,5645 | 0,5257                                                   | 0,0373 | 7,09%  |
| NT2D             | 0,4830                                                            | 0,5841 | 0,5876 | 0,5516                                                   | 0,0594 | 10,77% |
| NT3D             | 0,5667                                                            | 0,6021 | 0,6284 | 0,5991                                                   | 0,0310 | 5,17%  |