# LAMPIRAN

Lampiran 1  Data Hasil Pengujian Absorpsi Suara

| Hz | Sampel 1 | Sampel 2 | Sampel 3 | Sampel 4 | Sampel 5 | Sampel 6 |
|---|---|---|---|---|---|---|
| 63 | 0,035 | 0,042 | 0,143 | 0,044 | 0,161 | 0,020 |
| 80 | 0,024 | 0,029 | 0,203 | 0,061 | 0,188 | 0,041 |
| 100 | 0,025 | 0,050 | 0,189 | 0,089 | 0,181 | 0,029 |
| 125 | 0,030 | 0,048 | 0,193 | 0,064 | 0,162 | 0,039 |
| 160 | 0,013 | 0,057 | 0,178 | 0,071 | 0,149 | 0,041 |
| 200 | 0,053 | 0,055 | 0,175 | 0,070 | 0,145 | 0,049 |
| 250 | 0,072 | 0,075 | 0,169 | 0,068 | 0,160 | 0,040 |
| 315 | 0,072 | 0,060 | 0,181 | 0,099 | 0,139 | 0,005 |
| 400 | 0,087 | 0,078 | 0,149 | 0,085 | 0,140 | 0,063 |
| 500 | 0,105 | 0,099 | 0,139 | 0,103 | 0,134 | 0,080 |
| 630 | 0,150 | 0,133 | 0,151 | 0,131 | 0,144 | 0,096 |
| 800 | 0,205 | 0,189 | 0,181 | 0,181 | 0,167 | 0,111 |
| 1000 | 0,261 | 0,269 | 0,238 | 0,242 | 0,219 | 0,143 |
| 1250 | 0,342 | 0,374 | 0,324 | 0,293 | 0,273 | 0,167 |
| 1600 | 0,469 | 0,462 | 0,418 | 0,337 | 0,341 | 0,208 |
| 2000 | 0,632 | 0,565 | 0,532 | 0,459 | 0,447 | 0,284 |
| 2500 | 0,799 | 0,699 | 0,671 | 0,611 | 0,570 | 0,381 |
| 3150 | 0,909 | 0,818 | 0,804 | 0,757 | 0,688 | 0,492 |
| 3650 | 0,930 | 0,860 | 0,862 | 0,819 | 0,746 | 0,553 |
| 3968 | 0,930 | 0,910 | 0,876 | 0,845 | 0,802 | 0,569 |
| 4000 | 0,921 | 0,862 | 0,877 | 0,841 | 0,782 | 0,572 |
| 4414 | 0,909 | 0,860 | 0,900 | 0,862 | 0,819 | 0,659 |
| 4428 | 0,909 | 0,862 | 0,894 | 0,865 | 0,850 | 0,665 |
| 4676 | 0,890 | 0,856 | 0,895 | 0,870 | 0,817 | 0,712 |
| 5000 | 0,760 | 0,796 | 0,843 | 0,816 | 0,783 | 0,746 |
| 6300 | 0,658 | 0,616 | 0,664 | 0,642 | 0,448 | 0,566 |

Lampiran 2 Data Hasil Pengujian *Course Per Inch* (CPI)

| CPI | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Sampel 1 | | Sampel 2 | | Sampel 3 | | Sampel 4 | | Sampel 5 | | Sampel 6 | |
| N Uji | X1 | X1^2 | X1 | X1^2 | X1 | X1^2 | X1 | X1^2 | X1 | X1^2 | X1 | X1^2 |
| 1 | 43 | 1849 | 42 | 1764 | 40 | 1600 | 34 | 1156 | 30 | 900 | 43 | 1849 |
| 2 | 44 | 1936 | 42 | 1764 | 39 | 1521 | 35 | 1225 | 30 | 900 | 44 | 1936 |
| 3 | 44 | 1936 | 42 | 1764 | 39 | 1521 | 34 | 1156 | 30 | 900 | 45 | 2025 |
| 4 | 44 | 1936 | 43 | 1849 | 40 | 1600 | 34 | 1156 | 30 | 900 | 44 | 1936 |
| 5 | 44 | 1936 | 43 | 1849 | 40 | 1600 | 34 | 1156 | 30 | 900 | 44 | 1936 |
| 6 | 44 | 1936 | 42 | 1764 | 40 | 1600 | 34 | 1156 | 30 | 900 | 45 | 2025 |
| 7 | 43 | 1849 | 42 | 1764 | 39 | 1521 | 34 | 1156 | 30 | 900 | 45 | 2025 |
| 8 | 43 | 1849 | 43 | 1849 | 39 | 1521 | 34 | 1156 | 31 | 961 | 45 | 2025 |
| 9 | 44 | 1936 | 43 | 1849 | 40 | 1600 | 35 | 1225 | 30 | 900 | 44 | 1936 |
| 10 | 44 | 1936 | 43 | 1849 | 40 | 1600 | 34 | 1156 | 30 | 900 | 45 | 2025 |
| Jumlah | 437 | 19099 | 425 | 18065 | 396 | 15684 | 342 | 11698 | 301 | 9061 | 444 | 19718 |
| $\bar{X}$ | 43,7 | | 42,5 | | 39,6 | | 34,2 | | 30,1 | | 44,4 | |
| Sd | 0,483046 | | 0,527046 | | 0,516398 | | 0,421637 | | 0,316228 | | 0,699206 | |
| CV % | 1,105368 | | 1,240109 | | 1,304035 | | 1,232857 | | 1,050591 | | 1,574788 | |
| Error | 1,250842 | | 1,403315 | | 1,475654 | | 1,395109 | | 1,188855 | | 1,78204 | |
| $\sum X_t$ | 2345 | | | | | | | | | | | |
| $(\sum X_t)^2$ | 93325 | | | | | | | | | | | |

Lampiran 3 Data Hasil Pengujian *Wale Per Inch* (WPI)

| WPI | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Sampel 1 | | Sampel 2 | | Sampel 3 | | Sampel 4 | | Sampel 5 | | Sampel 6 | |
| N Uji | X1 | X1^2 | X1 | X1^2 | X1 | X1^2 | X1 | X1^2 | X1 | X1^2 | X1 | X1^2 |
| 1 | 19 | 361 | 20 | 400 | 22 | 484 | 21 | 441 | 22 | 484 | 20 | 400 |
| 2 | 19 | 361 | 20 | 400 | 21 | 441 | 21 | 441 | 21 | 441 | 20 | 400 |
| 3 | 20 | 400 | 19 | 361 | 21 | 441 | 21 | 441 | 20 | 400 | 20 | 400 |
| 4 | 20 | 400 | 20 | 400 | 21 | 441 | 21 | 441 | 20 | 400 | 19 | 361 |
| 5 | 19 | 361 | 20 | 400 | 21 | 441 | 21 | 441 | 21 | 441 | 20 | 400 |
| 6 | 19 | 361 | 20 | 400 | 21 | 441 | 21 | 441 | 21 | 441 | 19 | 361 |
| 7 | 19 | 361 | 20 | 400 | 21 | 441 | 21 | 441 | 21 | 441 | 19 | 361 |
| 8 | 19 | 361 | 20 | 400 | 20 | 400 | 21 | 441 | 21 | 441 | 20 | 400 |
| 9 | 19 | 361 | 19 | 361 | 20 | 400 | 20 | 400 | 21 | 441 | 20 | 400 |
| 10 | 19 | 361 | 19 | 361 | 21 | 441 | 21 | 441 | 21 | 441 | 20 | 400 |
| Jumlah | 192 | 3688 | 197 | 3883 | 209 | 4371 | 209 | 4369 | 209 | 4371 | 197 | 3883 |
| $\bar{X}$ | 19,2 | | 19,7 | | 20,9 | | 20,9 | | 20,9 | | 19,7 | |
| Sd | 0,421637 | | 0,483046 | | 0,567646 | | 0 | | 0,567646 | | 0,483046 | |
| CV % | 2,196026 | | 2,45201 | | 2,716011 | | 1,5130515 | | 2,716011 | | 2,45201 | |
| Error | 2,485038 | | 2,77471 | | 3,073455 | | 1,712179 | | 3,073455 | | 2,77471 | |
| $\sum X_t$ | 1213 | | | | | | | | | | | |
| $(\sum X_t)^2$ | 24565 | | | | | | | | | | | |

Lampiran 4 Data Hasil Pengujian Daya Tembus Udara

| DAYA TEMBUS UDARA | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Sampel 1 | | Sampel 2 | | Sampel 3 | | Sampel 4 | | Sampel 5 | | Sampel 6 | |
| N Uji | X1 | X1^2 | X1 | X1^2 | X1 | X1^2 | X1 | X1^2 | X1 | X1^2 | X1 | X1^2 |
| 1 | 60,2 | 3624,04 | 66,2 | 4382,44 | 79,2 | 6272,64 | 91,9 | 8445,61 | 94,5 | 8930,25 | 85,1 | 7242,01 |
| 2 | 61,3 | 3757,69 | 65,6 | 4303,36 | 79,7 | 6352,09 | 90,6 | 8208,36 | 94,3 | 8892,49 | 85,4 | 7293,16 |
| 3 | 60,3 | 3636,09 | 66,3 | 4395,69 | 79,4 | 6304,36 | 90,3 | 8154,09 | 94,3 | 8892,49 | 85,2 | 7259,04 |
| 4 | 60,2 | 3624,04 | 66,8 | 4462,24 | 80,8 | 6528,64 | 92,9 | 8630,41 | 95 | 9025 | 86,7 | 7516,89 |
| 5 | 60,8 | 3696,64 | 66,8 | 4462,24 | 79,8 | 6368,04 | 91,3 | 8335,69 | 94 | 8836 | 85,8 | 7361,64 |
| Jumlah | 302,8 | 18338,5 | 331,7 | 22005,97 | 398,9 | 31825,77 | 457 | 41774,16 | 472,1 | 44576,23 | 428,2 | 36672,74 |
| $\bar{X}$ | 60,56 | | 66,34 | | 79,78 | | 91,4 | | 94,42 | | 85,64 | |
| Sd | 0,48270074 | | 0,49799598 | | 0,61806149 | | 1,04403065 | | 0,37013511 | | 0,6503845 | |
| CV % | 0,79706198 | | 0,75067227 | | 0,7747073 | | 1,14226548 | | 0,39200923 | | 0,7594401 | |
| Error | 0,90196054 | | 0,84946564 | | 0,87666384 | | 1,29259508 | | 0,4436002 | | 0,85938737 | |
| $\sum X_t$ | 2390,7 | | | | | | | | | | | |
| $(\sum X_t)^2$ | 195193,37 | | | | | | | | | | | |

## Lampiran 5 Data Hasil Pengujian Ketebalan Kain

| THICKNESS | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Sampel 1 | | Sampel 2 | | Sampel 3 | | Sampel 4 | | Sampel 5 | | Sampel 6 | |
| N Uji | X1 | X1^2 | X1 | X1^2 | X1 | X1^2 | X1 | X1^2 | X1 | X1^2 | X1 | X1^2 |
| 1 | 2 | 4 | 1,96 | 3,8416 | 2,01 | 4,0401 | 2 | 4 | 2 | 4 | 0,84 | 0,7056 |
| 2 | 1,8 | 3,24 | 2,07 | 4,2849 | 2,06 | 4,2436 | 2,05 | 4,2025 | 1,94 | 3,7636 | 0,83 | 0,6889 |
| 3 | 1,83 | 3,3489 | 2,07 | 4,2849 | 2,04 | 4,1616 | 2,05 | 4,2025 | 2,05 | 4,2025 | 0,83 | 0,6889 |
| 4 | 1,85 | 3,4225 | 2,11 | 4,4521 | 2,04 | 4,1616 | 2,05 | 4,2025 | 2,03 | 4,1209 | 0,82 | 0,6724 |
| 5 | 1,8 | 3,24 | 2,06 | 4,2436 | 2,06 | 4,2436 | 2,14 | 4,5796 | 2,15 | 4,6225 | 0,84 | 0,7056 |
| 6 | 1,8 | 3,24 | 2,05 | 4,2025 | 2,05 | 4,2025 | 2,06 | 4,2436 | 2,16 | 4,6656 | 0,83 | 0,6889 |
| 7 | 1,82 | 3,3124 | 2,01 | 4,0401 | 2,06 | 4,2436 | 2,06 | 4,2436 | 2,18 | 4,7524 | 0,83 | 0,6889 |
| 8 | 1,8 | 3,24 | 2,08 | 4,3264 | 2,06 | 4,2436 | 2,12 | 4,4944 | 2,03 | 4,1209 | 0,84 | 0,7056 |
| 9 | 1,83 | 3,3489 | 2,1 | 4,41 | 2,1 | 4,41 | 2 | 4 | 2,01 | 4,0401 | 0,83 | 0,6889 |
| 10 | 1,82 | 3,3124 | 2,05 | 4,2025 | 2,09 | 4,3681 | 2,06 | 4,2436 | 2,07 | 4,2849 | 0,83 | 0,6889 |
| Jumlah | 18,35 | 33,7051 | 20,56 | 42,2886 | 20,57 | 42,3183 | 20,59 | 42,4123 | 20,62 | 42,5734 | 8,32 | 6,9226 |
| $\bar{X}$ | 1,835 | | 2,056 | | 2,057 | | 2,058 | | 2,062 | | 0,832 | |
| Sd | 0,06041523 | | 0,04376706 | | 0,02540779 | | 0,04408325 | | 0,078145164 | | 0,00632456 | |
| CV % | 3,2923831 | | 2,12874806 | | 1,23518645 | | 2,14204347 | | 3,789775173 | | 0,7601629 | |
| Error | 3,72568221 | | 2,4089052 | | 1,39774505 | | 2,42395037 | | 4,288534324 | | 0,8602053 | |
| $\sum X_t$ | 109,01 | | | | | | | | | | | |
| $(\sum X_t)^2$ | 210,2203 | | | | | | | | | | | |

## Lampiran 6 Data Hasil Pengujian Perforasi Kain

### Sampel 1

| | Luas Area | | Pore | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1 | | 2 | | 3 | | 4 | |
| no | Panjang | Lebar | P | L | P | L | A | T | A | T |
| 1 | 250 | 201 | 48 | 47 | 50 | 35 | 31 | 42 | 36 | 38 |
| 2 | 267 | 205 | 49 | 40 | 49 | 33 | 35 | 40 | 40 | 38 |
| 3 | 262 | 205 | 49 | 35 | 38 | 33 | 26 | 30 | 31 | 29 |
| 4 | 250 | 203 | 50 | 33 | 49 | 32 | 24 | 36 | 35 | 26 |
| 5 | 259 | 300 | 44 | 35 | 49 | 35 | 26 | 37 | 29 | 36 |
| 6 | 259 | 300 | 47 | 28 | 47 | 27 | 28 | 29 | 38 | 25 |
| 7 | 266 | 195 | 50 | 26 | 54 | 31 | 47 | 41 | 45 | 34 |
| 8 | 268 | 208 | 59 | 38 | 56 | 40 | 37 | 48 | 40 | 33 |
| 9 | 267 | 207 | 49 | 33 | 59 | 33 | 40 | 35 | 28 | 28 |
| 10 | 264 | 208 | 43 | 26 | 54 | 31 | 24 | 25 | 29 | 24 |
| Rata-rata | 261 | 223 | 49 | 34 | 51 | 33 | 32 | 36 | 35 | 31 |
| | | | | | | | | | | |
| luas Area | 58299,84 | | Luas Pore | 4453,555 | | Perforasi Ratio | | 7,639052 | | |

Sampel 2

| | Luas Area | | Pore | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1 | | 2 | | 3 | | 4 | |
| no | Panjang | Lebar | P | L | P | L | A | T | A | T |
| 1 | 296 | 226 | 59 | 40 | 54 | 44 | 37 | 48 | 37 | 53 |
| 2 | 281 | 226 | 59 | 40 | 59 | 47 | 41 | 45 | 35 | 57 |
| 3 | 283 | 227 | 61 | 45 | 58 | 43 | 40 | 42 | 44 | 33 |
| 4 | 288 | 227 | 71 | 42 | 57 | 31 | 39 | 40 | 42 | 52 |
| 5 | 283 | 229 | 63 | 39 | 70 | 37 | 50 | 56 | 44 | 42 |
| 6 | 289 | 231 | 69 | 45 | 68 | 33 | 48 | 43 | 35 | 45 |
| 7 | 292 | 230 | 64 | 37 | 70 | 48 | 42 | 49 | 42 | 45 |
| 8 | 282 | 236 | 64 | 41 | 58 | 46 | 54 | 40 | 44 | 40 |
| 9 | 271 | 228 | 56 | 40 | 72 | 41 | 38 | 34 | 41 | 48 |
| 10 | 267 | 224 | 57 | 44 | 52 | 32 | 49 | 50 | 45 | 52 |
| | 283 | 228 | 62 | 41 | 62 | 40 | 44 | 45 | 41 | 47 |
| | | | | | | | | | | |
| luas Area | 64682,88 | | Luas Pore | 6991,295 | | Perforasi Ratio | | 10,80857 | | |

Sampel 3

| | Luas Area | | Pore | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1 | | 2 | | 3 | | 4 | |
| no | Panjang | Lebar | P | L | P | L | A | T | A | T |
| 1 | 296 | 261 | 59 | 42 | 58 | 50 | 61 | 59 | 49 | 65 |
| 2 | 294 | 250 | 70 | 47 | 59 | 42 | 57 | 76 | 53 | 66 |
| 3 | 297 | 259 | 63 | 43 | 59 | 44 | 52 | 72 | 55 | 61 |
| 4 | 292 | 255 | 59 | 42 | 66 | 38 | 54 | 66 | 56 | 59 |
| 5 | 290 | 253 | 64 | 43 | 54 | 48 | 60 | 64 | 43 | 61 |
| 6 | 292 | 254 | 62 | 42 | 61 | 42 | 43 | 57 | 52 | 61 |
| 7 | 292 | 259 | 57 | 40 | 65 | 39 | 44 | 52 | 48 | 52 |
| 8 | 286 | 264 | 68 | 47 | 51 | 38 | 58 | 42 | 65 | 76 |
| 9 | 289 | 250 | 56 | 36 | 61 | 40 | 57 | 79 | 59 | 54 |
| 10 | 292 | 255 | 62 | 39 | 63 | 45 | 58 | 66 | 57 | 52 |
| Rata-rata | 292 | 256 | 62 | 42 | 60 | 43 | 54 | 63 | 54 | 61 |
| | | | | | | | | | | |
| luas Area | 74752 | | Luas Pore | 8504,975 | | Perforasi Ratio | | 11,37759 | | |

Sampel 4

| | Luas Area | | Pore | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1 | | 2 | | 3 | | 4 | |
| no | Panjang | Lebar | P | L | P | L | A | T | A | T |
| 1 | 297 | 275 | 61 | 59 | 47 | 59 | 60 | 60 | 57 | 68 |
| 2 | 285 | 282 | 54 | 71 | 67 | 47 | 59 | 66 | 62 | 70 |
| 3 | 299 | 285 | 59 | 52 | 62 | 45 | 65 | 65 | 48 | 49 |
| 4 | 290 | 287 | 66 | 59 | 54 | 52 | 56 | 64 | 53 | 59 |
| 5 | 283 | 277 | 52 | 45 | 62 | 47 | 59 | 58 | 59 | 54 |
| 6 | 296 | 280 | 51 | 54 | 49 | 59 | 54 | 61 | 52 | 50 |
| 7 | 288 | 278 | 54 | 45 | 47 | 42 | 57 | 58 | 53 | 54 |
| 8 | 296 | 286 | 61 | 62 | 45 | 61 | 73 | 66 | 55 | 61 |
| 9 | 302 | 278 | 63 | 52 | 54 | 47 | 69 | 63 | 57 | 63 |
| 10 | 297 | 268 | 47 | 52 | 49 | 54 | 71 | 69 | 76 | 54 |
| Rata-rata | 293 | 280 | 57 | 55 | 54 | 51 | 62 | 63 | 57 | 58 |
| | | | | | | | | | | |
| luas Area | 82006,68 | | Luas Pore | 9506,33 | | Perforasi Ratio | | 11,59214 | | |

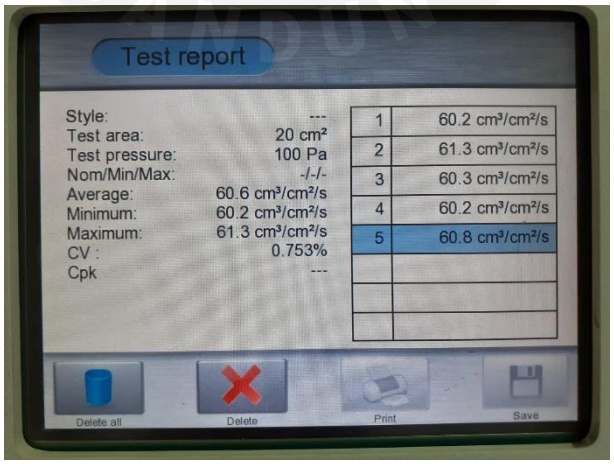
Sampel 5

| | Luas Area | | Pore | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1 | | 2 | | 3 | | 4 | |
| no | Panjang | Lebar | P | L | P | L | A | T | A | T |
| 1 | 299 | 320 | 54 | 57 | 56 | 58 | 59 | 67 | 70 | 73 |
| 2 | 289 | 313 | 53 | 57 | 55 | 76 | 64 | 82 | 66 | 59 |
| 3 | 311 | 314 | 62 | 69 | 54 | 61 | 69 | 70 | 71 | 72 |
| 4 | 315 | 319 | 57 | 61 | 55 | 60 | 64 | 65 | 76 | 63 |
| 5 | 290 | 310 | 56 | 61 | 58 | 60 | 75 | 68 | 61 | 51 |
| 6 | 298 | 314 | 56 | 59 | 59 | 63 | 52 | 58 | 74 | 59 |
| 7 | 297 | 319 | 53 | 56 | 57 | 60 | 54 | 74 | 80 | 61 |
| 8 | 311 | 319 | 52 | 56 | 58 | 63 | 68 | 70 | 58 | 96 |
| 9 | 313 | 318 | 55 | 61 | 54 | 57 | 77 | 84 | 57 | 52 |
| 10 | 311 | 315 | 57 | 60 | 52 | 56 | 60 | 64 | 71 | 67 |
| Rata-rata | 303 | 316 | 56 | 60 | 56 | 61 | 64 | 70 | 68 | 65 |
| | | | | | | | | | | |
| luas Area | 95904,74 | | Luas Pore | 11226,15 | | Perforasi Ratio | | 11,70552 | | |

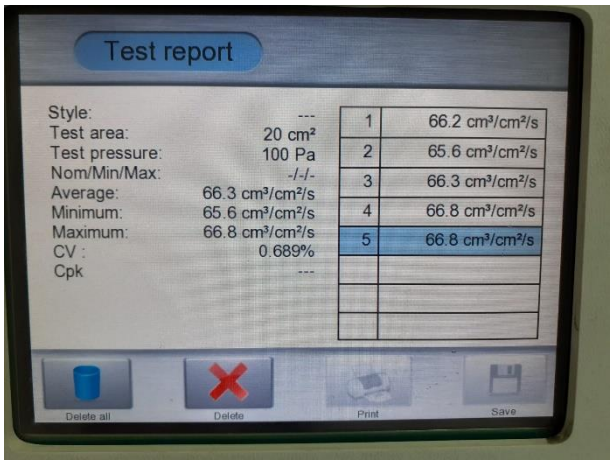
Sampel 6

| | Luas Area | | Pore | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1 | | 2 | | 3 | | 4 | |
| no | Panjang | Lebar | P | L | P | L | A | T | A | T |
| 1 | 280 | 227 | 61 | 38 | 69 | 47 | 32 | 27 | 42 | 40 |
| 2 | 283 | 224 | 64 | 45 | 70 | 39 | 32 | 37 | 27 | 40 |
| 3 | 276 | 201 | 70 | 47 | 60 | 40 | 47 | 29 | 33 | 31 |
| 4 | 283 | 195 | 72 | 43 | 70 | 43 | 51 | 28 | 41 | 34 |
| 5 | 294 | 209 | 70 | 45 | 58 | 42 | 40 | 41 | 43 | 36 |
| 6 | 284 | 195 | 62 | 40 | 68 | 37 | 39 | 29 | 45 | 35 |
| 7 | 294 | 199 | 66 | 37 | 54 | 34 | 43 | 40 | 34 | 39 |
| 8 | 268 | 212 | 53 | 38 | 64 | 45 | 43 | 26 | 38 | 34 |
| 9 | 280 | 198 | 57 | 42 | 54 | 40 | 52 | 35 | 33 | 40 |
| 10 | 280 | 209 | 52 | 52 | 54 | 30 | 36 | 43 | 32 | 31 |
| Rata-rata | 282 | 207 | 63 | 43 | 62 | 40 | 42 | 34 | 37 | 36 |
| | | | | | | | | | | |
| luas Area | 58387,18 | | Luas Pore | 6500,185 | | Perforasi Ratio | | 11,1329 | | |

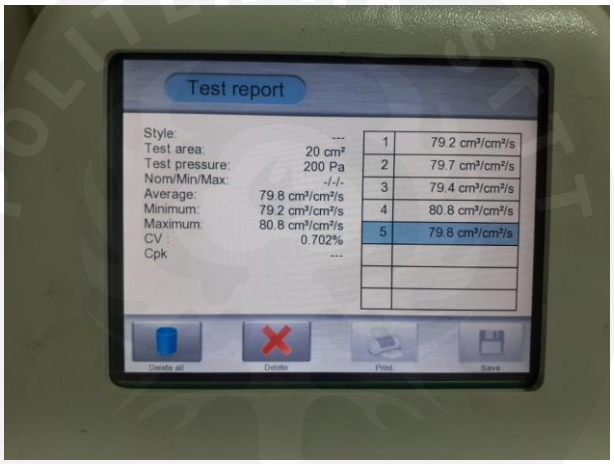
Lampiran 7 Hasil Pengujian Daya Tembus Udara Sampel 1



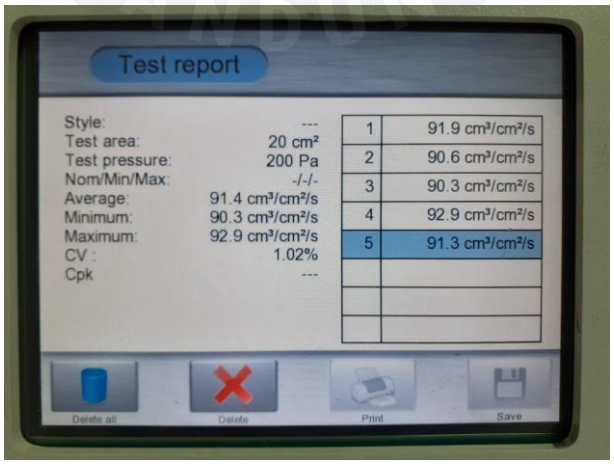
Lampiran 8 Hasil Pengujian Daya Tembus Udara Sampel 2



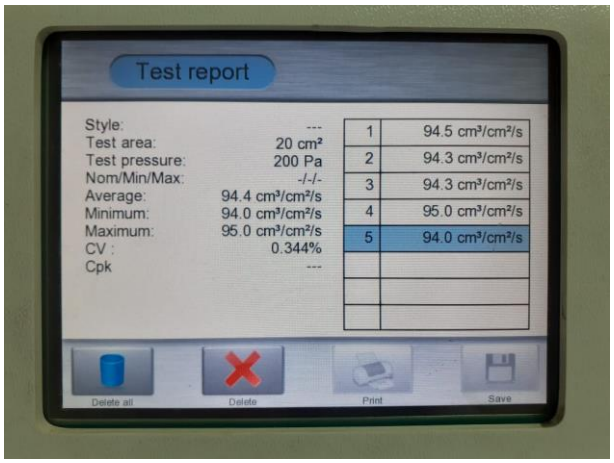

Lampiran 9 Hasil Pengujian Daya Tembus Udara Sampel 3



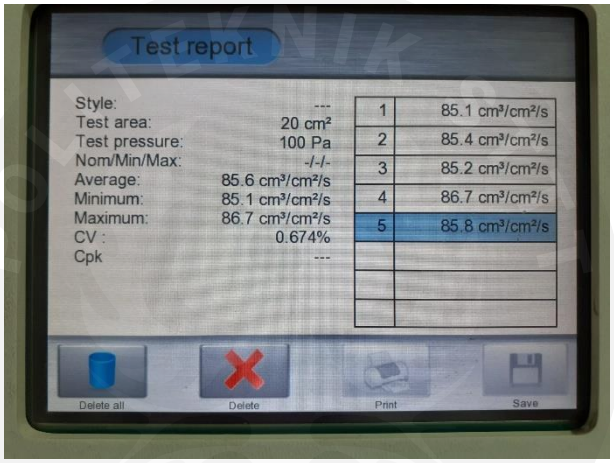

Lampiran 10 Hasil Pengujian Daya Tembus Udara Sampel 4



Lampiran 11 Hasil Pengujian Daya Tembus Udara Sampel 5



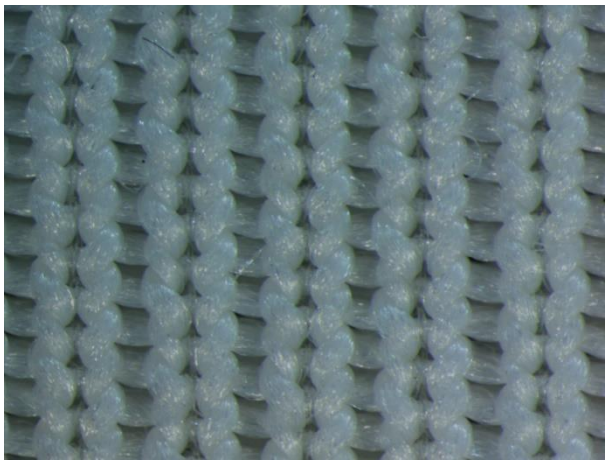

Lampiran 12 Hasil Pengujian Daya Tembus Udara Sampel 6



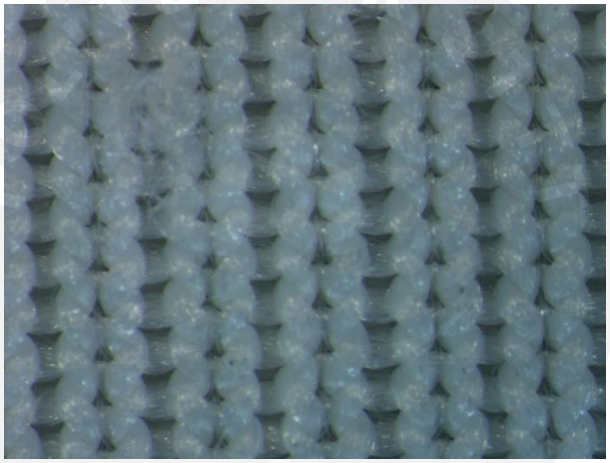

Lampiran 13 Half Absorption Bandwidth

| Variasi | Half Absorption Bandwidth | | | Koefesien Absorbsi suara | |
|---|---|---|---|---|---|
| | Frek. Awal | Frek. Akhir | Bandwidth | A | F |
| 9,50 | 1684 | **6300** | 4616 | **0,93** | 3650 |
| 9,75 | 1764 | **6300** | 4536 | 0,91 | 3968 |
| 10,00 | 1902 | **6300** | 4398 | 0,90 | 4414 |
| 10,25 | 2142 | **6300** | 4158 | 0,87 | 4676 |
| 10,50 | 2210 | **6054** | 3844 | 0,85 | 4428 |
| Plain | 3204 | **6300** | 3096 | 0,74 | 5064 |
| 9,5-9,75 | | | 2% | 2% | |
| 9,5-10 | | | 5% | 3% | |
| 9,5-10,25 | | | 11% | 7% | |
| 9,5-10,5 | | | 20% | 9% | |
| 9,5-Plain | | | 49% | 26% | |

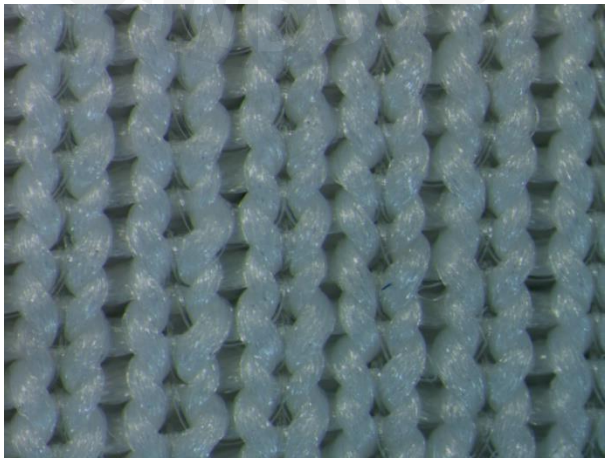
Lampiran 14 Sampel 1



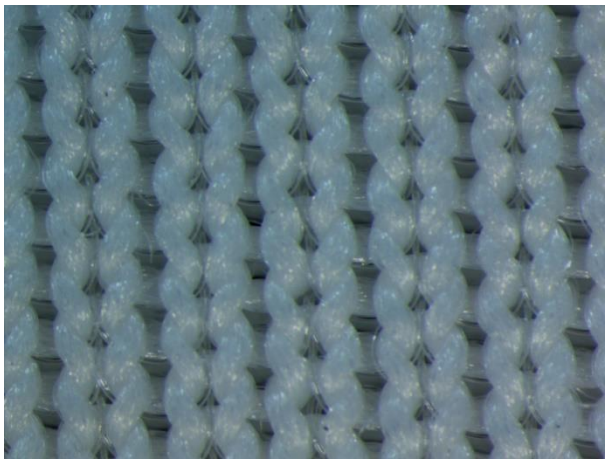
Lampiran 15 Sampel 2



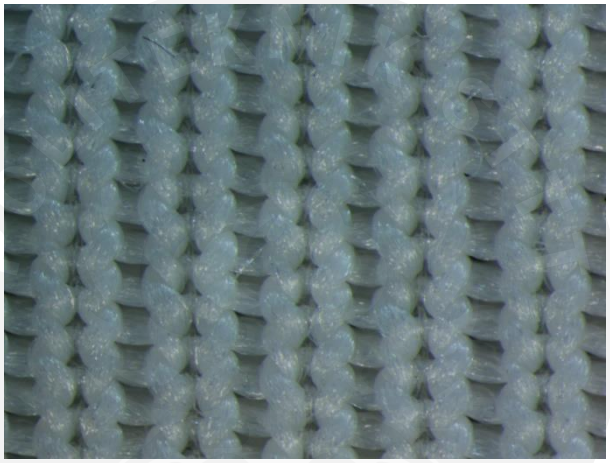
Lampiran 16 Sampel 3



Lampiran 17 Sampel 4



Lampiran 18 Sampel 5



Lampiran 19 Sampel 6