

# LAMPIRAN

## LAMPIRAN 1

### Hasil Pengujian Kadar Air Berdasarkan Tiap Kedalaman

Berikut ini adalah tabel data berat sampel serta kadar air yang hilang di dalam sampel setelah proses pengeringan dengan menggunakan oven selama 12 jam:

| No. | Kedalaman (m) | Titik | Berat (gr) |        |        |        |        |        |        | Kadar Air (%)  |       |       |       |       |       |        |
|-----|---------------|-------|------------|--------|--------|--------|--------|--------|--------|--|-------|-------|-------|-------|-------|--------|
|     |               |       |            |        |        |        |        |        |        | Kadar Air = (Berat Basah - berat Kering) / Berat Kering x 100% |       |       |       |       |       |        |
|     |               |       | 0 jam      | 1 jam  | 2 jam  | 3 jam  | 4 jam  | 5 jam  | 12 jam | 0 jam  | 1 jam | 2 jam | 3 jam | 4 jam | 5 jam | 12 jam |
| 1   | 0 sampai 1    | 1     | 753,0      | 722,8  | 704,9  | 685,6  | 671,2  | 655,0  | 629,7  | 0,00%  | 4,18% | 2,54% | 2,82% | 2,15% | 2,47% | 4,02%  |
| 2   | 1 sampai 2    |       | 1089,5     | 1039,2 | 1014,1 | 990,5  | 973,4  | 955,0  | 910,0  | 0,00%  | 4,84% | 2,48% | 2,38% | 1,76% | 1,93% | 4,95%  |
| 3   | 2 sampai 3    |       | 1528,0     | 1475,9 | 1439,9 | 1404,1 | 1377,8 | 1345,4 | 1291,2 | 0,00%  | 3,53% | 2,50% | 2,55% | 1,91% | 2,41% | 4,20%  |
| 4   | 3 sampai 4    |       | 964,0      | 904,7  | 862,0  | 829,5  | 801,0  | 774,2  | 750,1  | 0,00%  | 6,55% | 4,95% | 3,92% | 3,56% | 3,46% | 3,21%  |
| 5   | 4 sampai 5    |       | 1443,4     | 1417,8 | 1359,6 | 1333,5 | 1302,3 | 1276,6 | 1237,0 | 0,00%  | 1,81% | 4,28% | 1,96% | 2,40% | 2,01% | 3,20%  |
| 6   | 5 sampai 6    |       | 1425,8     | 1395,0 | 1365,0 | 1340,0 | 1318,5 | 1294,1 | 1269,3 | 0,00%  | 2,21% | 2,20% | 1,87% | 1,63% | 1,89% | 1,95%  |
| 7   | 6 sampai 7    |       | 1895,8     | 1850,9 | 1798,3 | 1757,8 | 1722,3 | 1681,8 | 1595,0 | 0,00%  | 2,43% | 2,92% | 2,30% | 2,06% | 2,41% | 5,44%  |
| 8   | 7 sampai 8    |       | 1693,0     | 1640,3 | 1592,6 | 1548,1 | 1519,8 | 1486,7 | 1443,8 | 0,00%  | 3,21% | 3,00% | 2,87% | 1,86% | 2,23% | 2,97%  |
| 9   | 8 sampai 9    |       | 1183,4     | 1144,5 | 1113,3 | 1083,0 | 1060,1 | 1035,0 | 1008,3 | 0,00%  | 3,40% | 2,80% | 2,80% | 2,16% | 2,43% | 2,65%  |
| 10  | 9 sampai 10   |       | 2685,8     | 2647,4 | 2607,4 | 2561,8 | 2526,6 | 2486,3 | 2379,1 | 0,00%  | 1,45% | 1,53% | 1,78% | 1,39% | 1,62% | 4,51%  |
| 11  | 0 sampai 1    | 2     | 1228,6     | 1206,9 | 1157,7 | 1113,3 | 1067,8 | 1017,7 | 967,4  | 0,00%  | 1,80% | 4,25% | 3,99% | 4,26% | 4,92% | 5,20%  |
| 12  | 1 sampai 2    |       | 1323,2     | 1294,4 | 1259,5 | 1223,4 | 1181,2 | 1136,2 | 1080,6 | 0,00%  | 2,22% | 2,77% | 2,95% | 3,57% | 3,96% | 5,15%  |
| 13  | 2 sampai 3    |       | 1064,3     | 1043,6 | 1001,6 | 970,0  | 930,9  | 898,8  | 859,2  | 0,00%  | 1,98% | 4,19% | 3,26% | 4,20% | 3,57% | 4,61%  |
| 14  | 3 sampai 4    |       | 859,0      | 816,1  | 787,6  | 742,2  | 687,5  | 646,2  | 614,0  | 0,00%  | 5,25% | 3,63% | 6,11% | 7,97% | 6,39% | 5,24%  |
| 15  | 4 sampai 5    |       | 1390,8     | 1373,8 | 1317,9 | 1261,1 | 1203,8 | 1142,8 | 1127,1 | 0,00%  | 1,24% | 4,24% | 4,50% | 4,76% | 5,34% | 1,39%  |

|    |              |   |        |        |        |        |        |        |        |       |        |        |       |       |       |        |
|----|--------------|---|--------|--------|--------|--------|--------|--------|--------|-------|--------|--------|-------|-------|-------|--------|
| 16 | 5 sampai 6   |   | 1872,1 | 1837,2 | 1811,9 | 1779,5 | 1746,9 | 1713,5 | 1656,5 | 0,00% | 1,90%  | 1,40%  | 1,82% | 1,87% | 1,95% | 3,44%  |
| 17 | 6 sampai 7   |   | 973,6  | 941,8  | 886,7  | 830,1  | 765,1  | 701,8  | 660,3  | 0,00% | 3,38%  | 6,21%  | 6,82% | 8,50% | 9,02% | 6,29%  |
| 18 | 7 sampai 8   |   | 1224,8 | 1169,8 | 1115,0 | 1063,9 | 1012,0 | 958,2  | 915,5  | 0,00% | 4,70%  | 4,91%  | 4,80% | 5,13% | 5,61% | 4,66%  |
| 19 | 8 sampai 9   |   | 1549,1 | 1512,0 | 1464,4 | 1421,9 | 1368,5 | 1314,9 | 1265,2 | 0,00% | 2,45%  | 3,25%  | 2,99% | 3,90% | 4,08% | 3,93%  |
| 20 | 9 sampai 10  |   | 875,8  | 826,2  | 759,3  | 718,8  | 675,8  | 614,7  | 582,3  | 0,00% | 6,00%  | 8,81%  | 5,63% | 6,36% | 9,94% | 5,56%  |
| 21 | 10 sampai 11 |   | 886,9  | 852,8  | 824,3  | 796,2  | 739,3  | 711,6  | 684,6  | 0,00% | 4,00%  | 3,46%  | 3,53% | 7,70% | 3,89% | 3,94%  |
| 22 | 11 sampai 12 |   | 941,5  | 917,4  | 876,4  | 832,0  | 785,1  | 732,4  | 696,7  | 0,00% | 2,63%  | 4,68%  | 5,34% | 5,97% | 7,20% | 5,12%  |
| 23 | 0 sampai 1   | 3 | 812,0  | 780,9  | 732,3  | 687,9  | 640,7  | 602,4  | 573,9  | 0,00% | 3,98%  | 6,64%  | 6,45% | 7,37% | 6,36% | 4,97%  |
| 24 | 1 sampai 2   |   | 1283,1 | 1257,0 | 1195,2 | 1132,5 | 1082,2 | 1052,0 | 934,9  | 0,00% | 2,08%  | 5,17%  | 5,54% | 4,65% | 2,87% | 12,53% |
| 25 | 2 sampai 3   |   | 1527,9 | 1507,0 | 1432,7 | 1331,4 | 1264,2 | 1230,6 | 1112,8 | 0,00% | 1,39%  | 5,19%  | 7,61% | 5,32% | 2,73% | 10,59% |
| 26 | 3 sampai 4   |   | 1385,6 | 1340,4 | 1263,7 | 1197,1 | 1129,8 | 1077,2 | 1040,0 | 0,00% | 3,37%  | 6,07%  | 5,56% | 5,96% | 4,88% | 3,58%  |
| 27 | 4 sampai 5   |   | 1411,6 | 1377,6 | 1289,1 | 1211,4 | 1135,0 | 1091,1 | 980,8  | 0,00% | 2,47%  | 6,87%  | 6,41% | 6,73% | 4,02% | 11,25% |
| 28 | 5 sampai 6   |   | 727,6  | 697,0  | 670,8  | 648,0  | 615,6  | 582,3  | 556,4  | 0,00% | 4,40%  | 3,90%  | 3,53% | 5,26% | 5,72% | 4,65%  |
| 29 | 6 sampai 7   |   | 641,3  | 620,6  | 597,3  | 582,8  | 572,2  | 563,7  | 538,3  | 0,00% | 3,34%  | 3,90%  | 2,49% | 1,85% | 1,51% | 4,72%  |
| 30 | 7 sampai 8   |   | 1121,2 | 1105,1 | 1062,7 | 1010,1 | 969,0  | 945,7  | 867,7  | 0,00% | 1,46%  | 3,99%  | 5,21% | 4,24% | 2,46% | 8,99%  |
| 31 | 8 sampai 9   |   | 712,6  | 663,0  | 595,8  | 549,1  | 501,5  | 466,2  | 443,7  | 0,00% | 7,48%  | 11,28% | 8,49% | 9,50% | 7,58% | 5,07%  |
| 32 | 9 sampai 10  |   | 813,4  | 772,2  | 745,7  | 732,3  | 713,5  | 701,0  | 678,7  | 0,00% | 5,34%  | 3,55%  | 1,83% | 2,63% | 1,78% | 3,29%  |
| 33 | 10 sampai 11 |   | 969,2  | 930,6  | 897,3  | 863,2  | 825,5  | 805,0  | 797,6  | 0,00% | 4,15%  | 3,71%  | 3,95% | 4,57% | 2,55% | 0,93%  |
| 34 | 11 sampai 12 |   | 1142,7 | 1088,6 | 1054,1 | 1019,9 | 966,5  | 926,1  | 886,1  | 0,00% | 4,97%  | 3,27%  | 3,35% | 5,53% | 4,36% | 4,51%  |
| 35 | 0 sampai 1   | 4 | 923,8  | 859,0  | 783,2  | 741,0  | 716,5  | 696,1  | 671,0  | 0,00% | 7,54%  | 9,68%  | 5,70% | 3,42% | 2,93% | 3,74%  |
| 36 | 1 sampai 2   |   | 914,7  | 820,1  | 696,2  | 649,2  | 612,5  | 582,6  | 553,9  | 0,00% | 11,54% | 17,80% | 7,24% | 5,99% | 5,13% | 5,18%  |
| 37 | 2 sampai 3   |   | 871,3  | 832,7  | 743,8  | 701,2  | 669,9  | 646,1  | 617,6  | 0,00% | 4,64%  | 11,95% | 6,08% | 4,67% | 3,68% | 4,61%  |
| 38 | 3 sampai 4   |   | 773,1  | 721,5  | 665,9  | 630,1  | 584,9  | 553,5  | 528,5  | 0,00% | 7,15%  | 8,35%  | 5,68% | 7,73% | 5,67% | 4,73%  |
| 39 | 4 sampai 5   |   | 846,5  | 785,1  | 695,8  | 637,7  | 594,1  | 555,3  | 529,4  | 0,00% | 7,82%  | 12,83% | 9,11% | 7,34% | 6,99% | 4,89%  |
| 40 | 5 sampai 6   |   | 1024,5 | 969,9  | 892,1  | 818,4  | 751,5  | 695,6  | 663,9  | 0,00% | 5,63%  | 8,72%  | 9,01% | 8,90% | 8,04% | 4,77%  |

|    |              |        |        |       |       |       |       |       |       |       |        |       |       |       |       |
|----|--------------|--------|--------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|
| 41 | 6 sampai 7   | 1098,1 | 1034,8 | 969,1 | 900,8 | 841,3 | 800,0 | 766,7 | 0,00% | 6,12% | 6,78%  | 7,58% | 7,07% | 5,16% | 4,34% |
| 42 | 7 sampai 8   | 806,0  | 748,4  | 636,6 | 587,3 | 542,9 | 506,2 | 480,3 | 0,00% | 7,70% | 17,56% | 8,39% | 8,18% | 7,25% | 5,39% |
| 43 | 8 sampai 9   | 848,4  | 790,7  | 740,1 | 688,3 | 637,6 | 588,1 | 559,6 | 0,00% | 7,30% | 6,84%  | 7,53% | 7,95% | 8,42% | 5,09% |
| 44 | 9 sampai 10  | 907,2  | 868,4  | 806,7 | 740,2 | 697,2 | 651,2 | 621,1 | 0,00% | 4,47% | 7,65%  | 8,98% | 6,17% | 7,06% | 4,85% |
| 45 | 10 sampai 11 | 791,9  | 770,4  | 733,8 | 696,0 | 652,0 | 617,5 | 587,9 | 0,00% | 2,79% | 4,99%  | 5,43% | 6,75% | 5,59% | 5,03% |
| 46 | 11 sampai 12 | 1088,0 | 1041,1 | 951,1 | 888,6 | 823,6 | 778,1 | 744,1 | 0,00% | 4,50% | 9,46%  | 7,03% | 7,89% | 5,85% | 4,57% |

Contoh Perhitungan:

Kadar Air pada kedalaman 0 sampai 1 di titik 1 dengan pengeringan selama 1 jam

$$\begin{aligned}
 \text{Kadar Air} &= \frac{(\text{Berat Basah} - \text{Berat Kering})}{\text{Berat Kering}} \times 100\% \\
 &= \frac{753 - 722,8}{722,8} \times 100\% \\
 &= 4,18\%
 \end{aligned}$$