



HASIL ANALISIS KADAR AIR BAHAN

Arang Kulit Kopi tebu (K) 30 % + 70 %:

| | berat a | berat b | berrat c | berat d | KA1 | KA2 | KA sesungguhnya |
|--------|---------|----------|----------|---------|----------|-------|-----------------|
| A1 | 21,19 | 29,24 | 28,54 | 28,52 | 8,70% | 0,25% | 8,94% |
| A2 | 18,91 | 26,94 | 26,25 | 26,22 | 8,59% | 0,37% | 8,97% |
| A3 | 19,39 | 27,39 | 26,69 | 26,68 | 8,75% | 0,13% | 8,87% |
| Rerata | 19,83 | 27,85667 | 27,16 | 27,14 | 0,086795 | 0,25% | 8,93% |

Tempurung Kelapa (T) tebu 30 % + 70 % :

| | berat a | berat b | berrat c | berat d | KA1 | KA2 | KA sesungguhnya |
|--------|----------|----------|----------|---------|----------|-------|-----------------|
| A1 | 21,47 | 29,5 | 28,98 | 28,98 | 6,48% | 0,00% | 6,48% |
| A2 | 17,54 | 25,55 | 25,02 | 25,01 | 6,62% | 0,12% | 6,74% |
| A3 | 17,58 | 25,69 | 25,15 | 25,15 | 6,66% | 0,00% | 6,66% |
| Rerata | 18,86333 | 26,91333 | 26,38333 | 26,38 | 0,065836 | 0,04% | 6,63% |

Arang Kulit Kopi (K) tepung kanji 30 % + 70 %:

| | berat a | berat b | berrat c | berat d | KA1 | KA2 | KA sesungguhnya |
|--------|----------|----------|----------|---------|----------|--------|-----------------|
| A1 | 17,53 | 25,53 | 25,1 | 25,11 | 5,38% | -0,12% | 5,25% |
| A2 | 18,43 | 26,42 | 25,98 | 26 | 5,51% | -0,25% | 5,26% |
| A3 | 18,09 | 26,06 | 25,62 | 25,63 | 5,52% | -0,13% | 5,40% |
| Rerata | 18,01667 | 26,00333 | 25,56667 | 25,58 | 0,054675 | -0,17% | 5,30% |

Tempurung Kelapa (T) tepung kanji 30 % + 70 % :

| | berat a | berat b | berrat c | berat d | KA1 | KA2 | KA sesungguhnya |
|--------|---------|----------|----------|----------|----------|--------|-----------------|
| A1 | 19,12 | 27,14 | 26,72 | 26,73 | 5,24% | -0,12% | 5,11% |
| A2 | 20,08 | 28,07 | 27,67 | 27,67 | 5,01% | 0,00% | 5,01% |
| A3 | 19,6 | 27,67 | 27,26 | 27,28 | 5,08% | -0,25% | 4,83% |
| Rerata | 19,6 | 27,62667 | 27,21667 | 27,22667 | 0,051079 | -0,12% | 4,98% |

Kudus, 26 Agustus 2014

Laboran,



Muryaningrum Erawati, SP

Arang Kulit Kopi (K) tebu 60 % + 40 %:

| | berat a | berat b | berrat c | berat d | KA1 | KA2 | KA sesungguhnya |
|--------|---------|----------|----------|---------|----------|--------|-----------------|
| A1 | 20,25 | 28,27 | 27,72 | 27,69 | 6,86% | 0,37% | 7,23% |
| A2 | 19,02 | 27,02 | 26,47 | 26,5 | 6,88% | -0,38% | 6,50% |
| A3 | 19,68 | 27,68 | 27,14 | 27,14 | 6,75% | 0,00% | 6,75% |
| Rerata | 19,65 | 27,65667 | 27,11 | 27,11 | 0,068276 | 0,00% | 6,83% |

Tempurung Kelapa (T) tebu 60 % + 40 % :

| | berat a | berat b | berrat c | berat d | KA1 | KA2 | KA sesungguhnya |
|--------|----------|----------|----------|----------|----------|-------|-----------------|
| A1 | 19,11 | 27,15 | 26,67 | 26,66 | 5,97% | 0,12% | 6,09% |
| A2 | 18,38 | 26,4 | 25,91 | 25,91 | 6,11% | 0,00% | 6,11% |
| A3 | 21,87 | 29,89 | 29,4 | 29,4 | 6,11% | 0,00% | 6,11% |
| Rerata | 19,78667 | 27,81333 | 27,32667 | 27,32333 | 0,060632 | 0,04% | 6,10% |

Arang Kulit Kopi (K) tepung kanji 60 % + 40 %:

| | berat a | berat b | berrat c | berat d | KA1 | KA2 | KA sesungguhnya |
|--------|----------|----------|----------|----------|----------|--------|-----------------|
| A1 | 19,13 | 27,12 | 26,81 | 26,82 | 3,88% | -0,13% | 3,75% |
| A2 | 20,07 | 28,14 | 27,81 | 27,82 | 4,09% | -0,12% | 3,97% |
| A3 | 18,38 | 26,41 | 26,09 | 26,1 | 3,99% | -0,12% | 3,86% |
| Rerata | 19,19333 | 27,22333 | 26,90333 | 26,91333 | 0,039847 | -0,12% | 3,86% |

Tempurung Kelapa (T) tepung kanji 60 % + 40 % :

| | berat a | berat b | berrat c | berat d | KA1 | KA2 | KA sesungguhnya |
|--------|----------|----------|----------|----------|----------|--------|-----------------|
| A1 | 17,55 | 25,58 | 25,3 | 25,31 | 3,49% | -0,12% | 3,36% |
| A2 | 21,89 | 29,91 | 29,61 | 29,62 | 3,74% | -0,12% | 3,62% |
| A3 | 17,58 | 25,58 | 25,31 | 25,3 | 3,37% | 0,12% | 3,50% |
| Rerata | 19,00667 | 27,02333 | 26,74 | 26,74333 | 0,035342 | -0,04% | 3,49% |

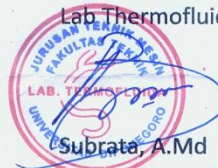
HASIL PENGUJIAN NILAI KALOR

BRIKET CAMPURAN BOTTOM ASH DENGAN VARIASI CAMPURAN DAN PEREKAT

| BRIKET | KODE | HASIL | |
|---|------|---------|-------------|
| Kulit kopi 60% perekat tepung kanji | 2 | 1665.50 | kalori/gram |
| | 4 | 1667.16 | kalori/gram |
| Kulit kopi 60% perekat tetes tebu | 7 | 1941.12 | kalori/gram |
| | 8 | 1916.25 | kalori/gram |
| Tempurung kelapa 60% perekat tepung kanji | 11 | 3408.60 | kalori/gram |
| | 12 | 3405.68 | kalori/gram |
| Tempurung kelapa 60% perekat tetes tebu | 13 | 3816.09 | kalori/gram |
| | 14 | 3813.10 | kalori/gram |
| Kulit kopi 70% perekat tepung kanji | 1 | 2236.89 | kalori/gram |
| | 3 | 2250.12 | kalori/gram |
| Kulit kopi 70% perekat tetes tebu | 5 | 2496.18 | kalori/gram |
| | 6 | 2500.37 | kalori/gram |
| Tempurung kelapa 70% perekat tepung kanji | 15 | 3504.64 | kalori/gram |
| | 16 | 3504.36 | kalori/gram |
| Tempurung kelapa 70% perekat tetes tebu | 9 | 4122.66 | kalori/gram |
| | 10 | 4011.99 | kalori/gram |

Semarang, 26 Juli 2014

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