**RUMUS TURUNAN NILAI AIR KALORIMETER**

**map**  = (**m**kal.kosong, pengaduk, hambatan R, air dan air panas) – (**m**kal.kosong, pengaduk, hambatan R dan air)

|  |  |  |
| --- | --- | --- |
| Ht | = | map . Ca (Tap – Ta)  |
| (Ta – Tm) |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ∆Ht | = | dH |  | ∆map | + | dH |  | ∆Tap | + | dH |  | ∆Ta | + | dH |  | ∆Tm |
| dmap |  | dTap |  | dTa |  | dTm |  |
|  |
| dH | = | Ca (Tap – Ta) |
| dmap | (Ta – Tm) |

|  |  |  |
| --- | --- | --- |
| dH | = | map . Ca  |
| dTap | (Ta – Tm) |

|  |  |  |
| --- | --- | --- |
| dH | = | - map . Ca (Tap – Ta)  |
| dTa | (Ta – Tm)2 |

|  |  |  |
| --- | --- | --- |
| dH | = | map . Ca  |
| dTm | (Ta – Tm)2 |

Ht = ( Ht ± ∆Ht )

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Kesalahan Relatif*** | = | ∆Ht  | x | 100% |
| Ht |

|  |  |  |
| --- | --- | --- |
| ***Kecermatan Relatif*** | = | 100 % - kesalahan relatif  |
|