RUMUS TURUNAN TARA KALOR LISTRIK

|  |  |  |
| --- | --- | --- |
| 1 | = | I2 . R . t |
| a | Ht (Ta - Tm) |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ∆1/a | = | d 1/a |  | ∆I | + | d 1/a |  | ∆R | + | d 1/a |  | ∆t | + | d 1/a |  | ∆Ht | + | d 1/a |  | ∆Ta | + | d 1/a |  | ∆Tm |
| dI |  | dR |  | dt |  | dHt  |  | Ta |  | Tm |

|  |  |  |
| --- | --- | --- |
| d 1/a | = | 2.I.R.t |
| dI | Ht (Ta - Tm) |

|  |  |  |
| --- | --- | --- |
| d 1/a | = | I2 . t |
| dR | Ht (Ta - Tm) |

|  |  |  |
| --- | --- | --- |
| d 1/a | = | I2 . R |
| dt | Ht (Ta - Tm) |

|  |  |  |
| --- | --- | --- |
| d 1/a | = | - I2 . R . t |
| dHt  | Ht2 (Ta - Tm) |

|  |  |  |
| --- | --- | --- |
| d 1/a | = | - I2 . R . t |
| Ta | Ht (Ta - Tm)2 |

|  |  |  |
| --- | --- | --- |
| d 1/a | = | I2 . R . t |
| Tm | Ht (Ta - Tm)2 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ∆R | = | dR |  | ∆V | + | dR |  | ∆I |
| dV |  | dI |  |

|  |  |  |
| --- | --- | --- |
| dR1 | = | 1 |
| dV | I |

|  |  |  |
| --- | --- | --- |
| dR1 | = | -V |
| dI | I2 |

1/a = ( 1/a ± ∆1/a )

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Kesalahan Relatif*** | = | ∆1/a | x | 100% |
| 1/a  |

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