**Tugas 10 Penambangan Data**

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|  |  |
| --- | --- |
| Transaksi | Item yang dibeli |
| 1 | Susu, Teh, Gula |
| 2 | Teh, gula, roti |
| 3 | Teh, gula |
| 4 | Susu, Roti |
| 5 | Susu, Gula, Roti |
| 6 | Teh, Gula |
| 7 | Gula, Kopi, Susu |
| 8 | Gula, Kopi, Susu |
| 9 | Susu, Roti, Kopi |
| 10 | Gula, Teh, Kopi |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Transaksi | Susu | Teh | Gula | Roti | Kopi |
| 1 | 1 | 1 | 1 | 0 | 0 |
| 2. | 0 | 1 | 1 | 1 | 0 |
| 3. | 0 | 1 | 1 | 0 | 0 |
| 4. | 1 | 0 | 0 | 1 | 0 |
| 5. | 1 | 0 | 1 | 1 | 0 |
| 6. | 0 | 1 | 1 | 0 | 0 |
| 7. | 1 | 0 | 1 | 0 | 1 |
| 8. | 1 | 0 | 1 | 0 | 1 |
| 9. | 1 | 0 | 0 | 1 | 1 |
| 10. | 0 | 1 | 1 | 0 | 1 |

Frequent Item Set :

- Item {Susu, Teh,Gula, Roti, Kopi}



* Support (Susu) = 6/10 = 60%

- Support (Teh) = 5/10 = 50%

* Support (Gula) = 8/10 = 80%
* Support (Roti) = 4/10 = 40%
* Support (Kopi) = 4/10 = 40%

|  |  |
| --- | --- |
| Item | Support |
| Gula | 80% |
| Susu | 60% |
| Teh | 50% |
| Roti | 40% |
| Kopi | 40% |

* Item {Susu, Teh, Gula, Roti, Kopi}

|  |  |
| --- | --- |
| Item | Support |
| Susu&Gula | 40% |
| Susu&Roti | 30% |
| Susu&Kopi | 30% |
| Susu&Teh | 10% |
| Teh&Gula | 50% |
| Teh&Roti | 10% |
| Teh&Kopi | 10% |
| Gula&Roti | 20% |
| Gula&Kopi | 30% |
| Roti&Kopi | 10% |

* Support (Susu U Teh) = 1/10 = 10%
* Support (Susu U Gula) = 4/10 = 40%
* Support (Susu U Roti) = 3/10 = 30%
* Support (Susu U Kopi) = 3/10 = 30%
* Support (Teh U Gula) = 5/10 = 50%
* Support (Teh U Roti) = 1/10 = 10%
* Support (Teh U Kopi) = 1/10 = 10%
* Support (Gula U Roti) = 2/10 = 20%
* Support (Gula U Kopi) = 3/10 = 30%
* Support (Roti U Kopi) = 1/10 = 10%

Maka, FIS (Frequent Item Set)

= {Susu&Gula}, {Susu&Roti},

{Susu&Kopi}, {Teh&Gula},

{Gula&Kopi}