# **BIT 207 – System Analysis & Design**

# 



# **By**

# **Yoga Permana Tanaya / E1400464 / 140010326**

# **Before Normalization**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Transaction  Number | Transaction  Date | Code | Name | Telephone | Book  Code | Code  Number | Book Title | Price |

# **After Normalization**

Table 1 User Table

|  |  |  |
| --- | --- | --- |
| code  **(Primary Key)** | name | telephone |

Table 2 Book Table

|  |  |  |  |
| --- | --- | --- | --- |
| book\_code  **(Primary Key)** | book\_title | price | id\_copy  **(Foreign Key)** |

Table 3 Transaction Table

|  |  |  |  |
| --- | --- | --- | --- |
| id\_transaction  **(Primary Key)** | date | code  **(Foreign Key)** | book\_code  **(Foreign Key)** |

Table 4 Copy Table

|  |  |
| --- | --- |
| id\_copy  **(Primary Key)** | copy |

# **Entity Relationship Diagram**

