

Mohammad Hanif Furgan Anfa Putra

50252216

Manajemen Basis Data F

\* Guest (GuestID, GuestName, Guest Address)  
Hotel (HotelID, HotelName, HotelAddress)  
Room (RoomID, HotelID, Type, Price)  
Bookings (HotelID, GuestID, RoomID, Date From, Date To)

1.  $\pi$  HotelID, Hotel Name, Hotel Address (Hotel)
2.  $\pi$  HotelID, Hotel Name, Hotel Address ( $\sigma$  Hotel Address = "Surabaya" (Hotel))
3.  $\pi$  Room • RoomID ( $\sigma$  Hotel Address = "Surabaya" (Hotel  $\bowtie$  Room))
4.  $\pi$  GuestName, Guest Address ( $\sigma$  Guest Address = "Surabaya" (Guest))
5.  $\sigma$  (Room, Type = "double"  $\vee$  Room, Type = "Family")  $\wedge$  (Room, Price < 1.500.000 (Room))

\* Store (StoreID, StoreName, Address)  
Product (ProductID, ProductName, Colour)  
Catalog (StoreID, ProductID, Price)

1.  $\pi$  ProductName ( $\sigma$  Colour = "black" (Product))
2.  $\pi$  Catalog, Price ( $\sigma$  Product Colour = "black"  $\vee$  Product Colour = "white" (Product  $\bowtie$  Catalog))
3. Catalog, StoreID ( $\sigma$  Product Colour = "black"  $\vee$  Product Colour = "white" (Product  $\bowtie$  Catalog))
4. Catalog, StoreID ( $\sigma$  Product Colour = "black"  $\wedge$  Product Colour = "white" (Product  $\bowtie$  Catalog))
5. Store, StoreName ( $\sigma$  Product Colour = "black"  $\vee$  Product Colour = "white" (Product  $\bowtie$  Catalog  $\bowtie$  Store))