ABSTRACT

The title object is designed for this thesis is Redesign Juanda Airport, building that became the place to transfer the passengers between two side, air side and land side, from the aircraft to be located on the air side and land side, with all of this reasoning, is expected to accommodate all passenger processing activity which is a component of the transportation system to serve the need of domestic and international activity.

Redesign based on group activities Juanda Airport has a range of facilities to be grouped into three sections covering, among others.

Main facility

a. Departure facility:
   - Arrival hall
   - Check-in area
   - Concourse
   - Departure lounge

b. Departure facility
   - Baggage reclaim
   - Arrival hall
   - Meeting area

c. Airline office

Main Support facility

- Lost and found
- Hotels and ground transportation information
- Health check
- Quarantine check
- Immigration
- Support facility
a. Rentable space
   - concessionaire
   - Bank
   - Mailing office
   - Ground transportation

Service facility
a. ME room
   - Electrical room
   - Panel room
   - UPS room
   - APU room
b. Staff area
   - Canteen staff
   - Rest room

Project site located on airport land with consideration:
• In lieu of the old airport which can be structured to passengers explosion happened.
• The existence of support facilities that already exist.

From the image boundary area of operations and flight safety requirements of building height is 45 m, calculated from the sea surface, while the surface of the runway is 3000 m, the airport so the maximum height is 42 m.

The themes used in the design object is “wing” where the wing itself has some major critical points that can later be applied to design objects.

Selected theme here is to try to create uniformity among the parts of the building serve, (which is taken here is a aeroplane)