ANALYSIS OF QUICK SHIP OPERATION
IN ROUTE HITU-PIRU

ABSTRACT

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To enter the SBB district, can be passed from the two doors, that is from West through Piru Port and from the east through the Port of Waipirit. Two primary means of marine transportation from SBB District to Ambon city is: 1. Quick Ship, the time required is 125 minutes, with details of the voyage (Piru - Hitu) is 80 minutes, and then time travel overland by bus (Hitu - Ambon ) is 45 minutes, with the total cost of Piru - Ambon is Rp. 75,000. 2. Menggunakan ferry, the time required is 5 hours with details of overland travel time (Piru - Waipirit) is 2 hours by ferry (Waipirit - Hunimua) is a 2 hour, road trip (Hunimua - Ambon city) is 1 hour, total cost of Rp. 75 000. If viewed from the aspect of cost, the second of these alternatives have the same load, but from the aspect of time the quick ship more profitable, but at this moment fast boats no longer operation and this is because the available vessel capacity is much greater than the potential of the existing passenger and resulted in losses in its operation, therefore it takes the size of the quickly ship which adjusted to the existing passenger potential. To get the ship's main dimensions, there should be an interest survey of service users in order to know the size of the potential of the existing passenger. With the NPV analysis for various types of ships, obtained The ship's main dimensions which considered the most profitable, that is with the number of passengers in one trip is 75 people, as well as the main measure as follows: LPP = 25.00 m, B = 4.92 m, H = 2.84 m, T = 1.81 m.

Key words: Potential passengers, type of vessel, the NPV analysis