

ABSTRACT

Indonesia is the largest archipelagic country in the world with 70% sea area of the entire territory of Indonesia making sea transportation the lifeblood of the national economy. PELNI as a shipping company operates around 26 passenger ships, which can carry hundreds of passengers every day. With so many voyages, a system is needed that can record all shipping data and provide the best route for each ship, therefore using the Website-Based Route Management System application can provide analysis of shipping data records that produce the best route and schedule for each ship's voyage. The most optimal or best route is selected based on income and expenses that are expected to increase the income of each voyage. In developing this application using the Agile method.

Keywords: Route Management System, Voyage, Website, Ship.