

# **ASSESSMENT OF AIR WHITE CARGO PORT, BENGKALIS REGENCY, RIAU PROVINCE**

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## **Abstrac**

Along with its service life, the existing wharf experienced some structural element damage caused by environmental conditions and operational loads. Evaluation from a structural point of view uses the NDT (Non Destructive Test) method which is a test method without damaging the structural elements tested using a hammer test, UPV (Ultrasonic Pulve Velocity), core drill and Visual Test using the BMS 1992 method (Bridge Management System).

The results of the visual test on the slab elements in the field obtained a condition value of 3 where there was damage in the form of severe spalling and honeycomb so that the reinforcement was exposed and corroded. In the hammer test results obtained concrete quality of 40.75 Mpa, core drill test obtained concrete quality of 31.175 MPa, and in the UPV test obtained concrete quality of 25.25 MPa.

**Keywords:** Dock Assessment, Hammer Test, UPV Testing, Core drill testing.