

## **ABSTRACT**

Ramp gate door is a bridge that connect between dock to barge, usually to fasilitating unloading and loading coal that brought using truck to be unload and loaded to the barge. At some district, this facility is rarely seen, most bridge still just a group of steel that tied manually.

In fact the loading and unloading process of coal in Indonesia still using manual connector between dock and barge. This project meant to make loading and unloading easier.

Basically this design have some capacities, some of them are 60 ton and 30 ton capacities. Ramp gate door with 30 ton capacities is the one that we design to be spesific, it is design and mechanism of jaw support