

C016306 : MAJOR INDUSTRIAL ENGINEERING

KEY WORD : FISHING BOATBUILDING/FIBERGLASS

SUWAT NANETOE : A STUDY ON ENGINEERING APPROPRIATENESS OF THAI
FISHING BOATBUILDING USING FIBERGLASS. THESIS ADVISOR : ASSO.
PROF.DAMRONG THAVEESANGSAKULTHAI, 244 PP. ISBN 974-581-042-8

This thesis is a study on engineering appropriateness of Thai fishing boatbuilding using fiberglass. The research covers a study of various factors affecting the establishment of the factory which will build 11.55 meter long fishing boat, as well as plant layout and production cost.

The result of the research shows that the factory size should be 1,056 squaremeters, the capital investment 13,925,470 baht, pay-back period before tax 3 years 8 months, and the production cost of 850,563 baht per unit. For implementation a minimum lot size of one mold-set is required.