

4037473 SHED/M : MAJOR : ENVIRONMENTAL EDUCATION ; M.Ed.

(ENVIRONMENTAL EDUCATION)

KEY WORDS : DEVELOPMENT / TEACHER'S MANUAL OF ENVIRONMENTAL
EDUCATION ACTIVITIES / MANGROVE FOREST CONSERVATION

NAVIYA NUNTAPANICH : THE DEVELOPMENT OF TEACHER'S MANUAL
OF ENVIRONMENTAL EDUCATION ACTIVITIES FOR GRADE SIX PRIMARY EDUCATION
REGARDING MANGROVE FOREST CONSERVATION. THESIS ADVISORS : RACHANONT
SUPAPONGPICHATE, Ph.D. SIRICHAIR CHINATANGKUL, Ph.D. PIMPIMOL THONGXHEAN,
Ed.D. 178 p. ISBN 974-664-554-4

This study was an experimental research with the purposes to develop a teacher's manual for instructional activities on the environmental education topic of Mangrove Forest Conversation for Grade Six, and to study learning achievement of pupils learning with activities prescribed by the teacher's manual.

The population of this study comprised Grade Six pupils in schools under Prasamutjede District Education Office, Samut Prakan Province. The sample consisted of 42 Grade Six pupils selected from 727 with the simple random sampling technique. The research design of this study was the One Group PretestPosttest Design. In developing the teacher's manual, the researcher studied the B.E.2541 Basic Education Curriculum, and the procedure for development of the teacher's manual. The researcher also reviewed and determined the scope of content on mangrove forest, and studied the procedure for development of instructional activities for environmental education at the elementary level. In addition, the researcher also developed an achievement test, an inventory of attitudes toward mangrove forest conservation, a teacher's manual evaluation form which had been evaluated and revised by experts and Grade Six life experiences teachers, and an activities experimental evaluation form to evaluate learning activities in the group. After that, all instruments were administered to each sample.

Analysis results of data from the experiment showed that Grade Six pupils in the experimental Group who had undertaken instructional activities as prescribed by the teacher's manual gained their knowledge and comprehension of mangrove forest conservation, and increased their positive attitudes toward mangrove forest conversation significantly at the .001 level. Furthermore, It was found that the experimental group had very highly positive opinions on the instructional activities, while experts and Grade Six life experience teachers evaluated the teacher's manual as very appropriate and with good enough quality for teaches to use inorganizing instructional activities on mangrove forest conservation.