

Thesis Title An Investigation into the Feasibility of
 Using Rux Fibers/Polyester blend for Non
 Woven Fabrics.

Name Rujira Khojimate

Degree Master of Science (Technology of
 Environmental Management)

Thesis Supervisory Committee

 Gritsanaruck Theeraraj, B.Eng., M.Sc.

 Debhanom Muangman, M.D., Dr.P.H.

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ABSTRACT

Ruk tree(*Carotropis Gingantea*), a kind of weeds that can not be transformed into food, can be found in all area over Thailand. Mr. Gritsanaruck(2526) studied the Ruk tree and found that it can be spun into yarn upon blending with cotton fibers. But there is a limited in coheshion force between those fibers. According to that work, the resecher brought Ruk fibers blending with polyester fibers to produce non-woven fabric to value-added and to get most usefullness.

From the studied, Ruk fibers show the possibility to be blended with Polyester fibers for making non-woven fabrics. The convenient ratio of non-woven fabric is 60:40 of Ruk and Polyester fibers respectively. In addition to use acrylic polymer bonding agent, the non-woven fabric product can be made in weight 111 g/m^2 with 3.28 mm. in thickness and has bursting strength of 0.7 Kg/cm^2 . It also can withstand 6 washing cycle. This product can be used as decorated fabric such as underlining and interfacing.