



14TH ERU SYMPOSIUM, 2008: FACULTY OF ENGINEERING, UNIVERSITY OF MORATUWA

EXTRACTION, ISOLATION & IDENTIFICATION OF COLOURING SUBSTANCES IN LOCAL NATURAL DYE YEILDING PLANTS

Wathsala Abeysinge, Prabath Suraweera and Suresh Kumaratunge, UG Samudrika Wijayapala

Department of Textiles and Clothing Technology

E-mails: WathsalaAb@masholdings.com, Prabathme@yahoo.com, Sureshchamila@yahoo.com, samu@textile.mrt.ac.lk

Abstract

This paper is based on the extraction, isolation and identification of yellow dye pigments present in jak saw dust (*Artocarpus heterophyllus*) by solvent extraction method. Six natural dye yielding plants were selected (Teak, Betel, Jak, Neem, Rambutan, and Jaman) to identify the best dye yielding plant. Dyeing trials were carried out to find conditions of optimum depth and stability. Extracts from the Jak gave the best dye shade on mercerized cotton fabric with best performances. This Plant is abundantly available throughout in Sri Lanka. It has been reported that heart wood of jak fruit tree contains many flavonoids.(1)