

**EFEKTIVITAS DAUN RANDU (*C. pentandra*) SEBAGAI PEREKAT PELLET
NPK-PELEPAH SAWIT TERHADAP PERTUMBUHAN DAN HASIL
KEDELAI EDAMAME DI TANAH PASIR PANTAI (*The Effectiveness Of Randu
Leaf (C. Pentandra) As Adhesive Of Pellet NPK-Midrib Oil palm To Growth and Results Of
Soy Edamame In Sand Beach Soil*)**

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ABSTRACT

This study aims to obtain a dose of the use of the right adhesive in making pellet fertilizer for edamame fertilization on the sandy beach soil. The study was conducted in the experimental field using polybag media and research laboratory of the Faculty of Agriculture, Muhammadiyah University of Yogyakarta. This study used an experimental method with a single factor treatment design, namely the dosage of adhesives arranged in Completely Randomized Design (RAL) with 4 treatments, namely a mixture of Urea, SP-36, KCL + palm frond compost with a dose of adhesive in each treatment, namely 10%, 15%, 20% and without adhesives (controls). The results showed that the pellet NPK-midrib oil palm fertilizer with 15% adhesive material treatment could increase the growth and yield of edamame soybean in coastal sand soil.

Keywords: Edamame; Pellet fertilizer adhesives; Pellet Fertilizer;