

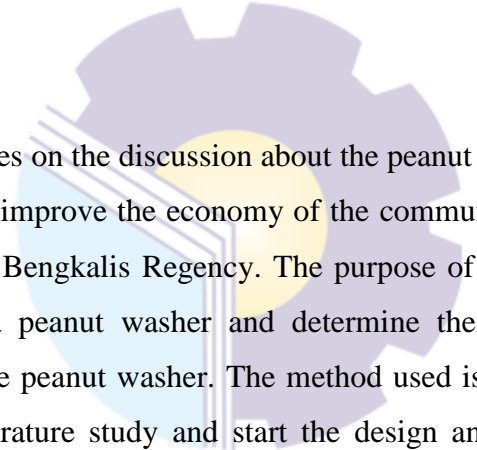
DESIGN AND CONSTRUCTION OF A PEANUT WASHER USING ELECTRIC MOTOR POWER CAPACITY OF 5 KG

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ABSTRACT



This research focuses on the discussion about the peanut washing machine that we will design to help improve the economy of the community in Senggoro Village, Bengkalis District, Bengkalis Regency. The purpose of this study was to design and manufacture a peanut washer and determine the rotational speed of the agitator shaft on the peanut washer. The method used is to conduct a field study then conduct a literature study and start the design and collection of data and materials that will be used in the process of making the tool. From the results of the study, the average capacity of the peanut washing machine was 68.5 kg/hour. In process 1, the soil weight of the beans was 0.4 kg, and the net weight of the beans was 4.6 kg for 3 minutes. In the third process, the soil weight of the beans was 0.6 kg, and the net weight of the beans was 4.4 kg for 7 minutes. The yield obtained is 90%. The things that affect the yield are during the purification process for peanuts and raw materials.

Keywords: *Peanuts, effective capacity of the tool, yield.*