

ABSTRACT

In general, coconuts are dehusked manually using either a machete or a spike. These methods require skilled labour and needs a more time to use. Attempts made so far in the development of dehusking tools have been only partially successful and not effective in replacing manual methods. Considering the drawbacks of manual dehusking methods, and existing automated dehusker, power operated coconut dehusking machine has been developed. This power operated coconut dehusking machine operates on 1-phase, 0.5 hp electric motor. It consists of main parts like frame, electric motor and dehusking unit. Single person is required for operating the dehusker. During the tests, average time required for dehusking a coconut was found to be 25 second, and the machine can dehusk 120-150 coconuts per hour.