

ABSTRACT

PT. Craftindo Kreasi is a company that produces flat modules through the cutting of corn cobs. From January 2022 to June 2023, the company experienced consistent quality issues with defective products each month. The corn cob cutting process was identified as the primary cause of these defects. This study aims to design a cutting aid to improve production quality using Quality Function Deployment (QFD) method and DMAI (Define, Measure, Analyze, Improve) analysis. The result of this research is a design for cutting aid featuring additional elements such as LED lighting, blade protection, and an additional blade. The tool has dimensions of 60 cm in length, 15 cm in width, and 10 cm in height. This design is intended to optimize the corn cob cutting process, reduce defects, and production efficiency.

Keywords: *Quality Function Deployment, DMAI, flat modules, defect, corn cob, cutting*