

***Product Development of a Storage Table for Green Bean Coffee Using the Design Thinking Method***

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***Abstract***

*The development of the green bean coffee bean storage table product was carried out to solve the problems of IKM Republik Tani Mandiri in the form of a lack of control on the water content and aroma of coffee beans, the small capacity of coffee bean storage. In the product manufacturing process, anthropometry and ergonomics are also used to measure the dimensions of the product height by using certain percentiles so that the product made can be comfortably used by the user. The research method used in this research is the design thinking method. The design thinking method is useful for getting the main problems and goals that must be achieved to solve user problems. Meanwhile, to measure the capacity of the storage table, the calculation of density and volume is used. The process of financial analysis is carried out to review whether the storage table product made is profitable for SMEs. After the product is tested, it is obtained if the water content in the new storage product is between 10.5% - 10.6%. Meanwhile, old storage products are above 14%. Working time on the new storage product also managed to shorten the uptime by 61.82%. While the cash flow in financial analysis has consistently increased and investment in year 0 can be closed in year 2. For the calculation of the payback period it can be found if the return on profits is obtained in a period of 1.9 years. In the MARR and IRR calculations, the results are (61% > 15%) and the npv is above 0, indicating that the green bean coffee bean storage desk project is feasible to invest in.*

***Keyword:*** Storage Table, Design Thinking, Capacity, water content, Coffe Aroma, cashflow