ABSTRACT

SMEs tempe manufacture is one of the largest contributors to GDP in Indonesia. Generally, production process that is done by traditional tempe manufacture is a wet process that requires the amount of water as much as 1321 liters. Innovation of dry production process is still less desirable because the existing dry soybean cracker machine is less than optimal. One of the SMEs implementing the dry process is Rumah Tempe Zanada. By using the existing machine, there is a defect of 14.5% for one production. By using rational product design method and TOPSIS for concept selection, it has been obtained more optimal chosen concept and able to fulfill the design requirement in accordance with optimum parameter and performance attribute.

Keyword : *Concept Design, Concept Selection, Dry Soya Break Machine, Rational Product Design, TOPSIS*