An Early Supply Chain Model with Sustainable Manufacturing Perspective to Empower Farmers as Post-harvest Small and Mid-size Enterprises in Indonesia: A Case Study

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Abstract

In Indonesia, farmers often become parties with a weak bargaining position, and usually, they can only get a small margin because they often sell their commodity in a raw condition without further process. It is necessary to empower the farmers to become also as post-harvest Small and Mid-size Enterprises (SMEs) using new appropriate technology to make them enjoy a better margin. Because the appropriate technology is a new one especially for farmers, the supply chain for this is still nascent. This paper proposes an early supply chain model with a sustainable manufacturing perspective to empower them. The case study was conducted on a community-based farmer of *amorphophallus oncophyllus* sp., (in Bahasa Indonesia called as porang), located in Sukoharjo, Indonesia. Using an appropriate technology with a sustainable manufacturing perspective makes a more efficient and sustainable way to process the commodity for further products and resulting in cost reduction with better quality. Using this model hopefully will make farmers enjoy a proper margin and have better bargaining positions.

Keywords

Sustainable Manufacturing, Farmer, SME, Appropriate Technology and Early Supply Chain Model.

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