EXPERIMENTAL OF FORCED VIBRATION SYSTEM OF SINGLE DEGREE OF FREEDOM ON TRAY TYPE DRYER

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ABSTRACT

This study aims to determine the speed of the briquette dryer used on the drying rack. The method used in this study is a payment system that is used to determine the system used to measure resonance, reliable and reverse the available briquettes in the shelf for later use in the drying process, and can be accessed from the rate of the flow of cement from charcoal briquettes. Charcoal briquettes are generally dried by drying in the sun or by using a dryer. The process of removing charcoal briquettes will result in poor shedding as a result of the charcoal briquettes sundries with other charcoal briquettes or with their shelves, dry air notes cannot touch the entire surface. Therefore, briquettes are needed to be reversed during the stacking process, so that the entire surface touches the air temperature evenly. To facilitate and speed up the briquette process, a system that can be used to reverse and reverse briquettes without the need to reverse them manually is added to the tool shelves. After testing the vibration system in this rack system, the system used to measure the load between 10 - 20 kg, eccentric mass (m) weighing 0.9 kg with eccentricity (e) 0.0535 m, and motor rotation (n) at level 2 speed.

KEYWORDS: Vibration, Resonance, Drying, & Charcoal Briquette

Received: Nov 10, 2018; Accepted: Dec 01, 2018; Published: Jan 10, 2019; Paper Id.: IJMPERDFEB201934