Performance Test Of Arabica Coffea Bean Rating Tool Using Image Sensor Guided

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ABSTRACT

One of the most significant coffee bean quality views for customers is the diversity of coffee bean standards. The process of sorting coffee beans is separated into two categories based on the physical (defect system), manual sorting and mechanical sorting. The goal of this study was to evaluate how well a conveyor table type and a vibrating table type rating machine optimized time and cost in the process prior to storage, processing, and consumer marketing. From March to May 2022, this study was carried out at the Tana Toraja Coffee Center, Kec. Gandangbatu silanan kab. Tana Toraja, which also serves as a teaching lab for the Agroindustry study program, an organolepotic testing lab for Puslitkoka Jember, and a taste laboratory for Sukamandi. The best results for a conveyor table type machine are at a conveyor rubber belt rotating speed of 40 rpm with a speed of time for 30 seconds with a distance of 1,800 mm, the results obtained at the output hole I (7 mm diameter) of 9.2 kg per hour, the output hole II (6 mm diamete), and the compartment slope of 8o with a rotational speed of 1,310 rpm with a total capacity of 245 kg per hour.

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BIOGRAPHY

Reta has completed his PHD and joint SUIJI Program Double Degree at KAGAWA University, Japan at the age of 45 years from Hasanuddin University, Indonesia. She is the Lecturer at Agroindustri Program Study and Senator secretariate of Pangkep State Polyctechnic Of Agriculture. She has publication h-index is still 4. She has been serving as an editorial board member of several reputable journals..