

## **Exploring mechanization degree and capacity in Malaysia's oil palm plantations**

### **ABSTRACT**

Development of mechanization is a crucial element in oil palm plantations in Malaysia since its significant role in reducing highly dependence on manual workers. Nonetheless, the recent mechanization degree and capacity in oil palm plantations in this country is rarely studied. This study aims to determine the mechanization degree and capacity in Malaysia's oil palm plantations. Determining mechanization degree and capacity were computed based on the available secondary data from a recent survey on 4,541 oil palm estates in Malaysia. The findings showed that average mechanization degree and capacity of infield operations in Malaysia's oil palm plantations were 10.88% and 11.04%, respectively. These percentages reflected oil palm plantations mechanization was at a lower advancement as compared to the several others crops either in Malaysia itself or other countries. Conclusively, there is an urgent need to intensively promote mechanization to enhance its degree and capacity in oil palm plantations.