

Alat Tanam Manual Bibit Padi *Manual Rice Planting Tool*

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Alat mesin tanam ini dapat digunakan untuk menanam bibit padi, 4 baris tanam sekaligus dengan jarak tanam antar baris 25 cm. Bobot alat tanam ini ringan 21,8 kg berbahan tahan korosi dan mudah dioperasikan.

Keunggulannya adalah meningkatkan kapasitas kerja penanaman enam kali lebih besar dibanding cara manual, menekan ongkos tanam 50%, dan mempersingkat waktu penyiapan tanam padi.

In general, rice seedlings planted manually by hand requires extensive labor of around 25-30 persons/ha. The dynamic of climatic change reduces the number of rainy days and shortens the time for rice cultivation. On the other hand, there is a requirement that planting of rice needs to be completed in a short period of time. The Indonesian Center for Agricultural Engineering Research and Development has developed a prototype of a manual 4 row planting machine with a spacing of 25 cm between rows.

The weight of the prototype is light of about 22 kg, it is made of corrosion-resistant materials, and is easy to operate. Another advantage is the increase of working capacity by six times as compared to planting by hand. The cost for transplanting was reduced by 50%. The presence of this technology could be an alternative way to shorten the planting time.