

MuSoW MACHINE

(MUDDY SOIL WEEDING MACHINE)



UNIVERSITI
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Where Knowledge Is Applied

PRESENTER 1: ABDUL HALIM BIN HARUN

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Product Description

Penerangan Produk

MuSoW is a machine used to scratch or weed the surface of the ground that is soft and wet in paddy fields especially for small size SRI (*System of Rice Intensification*) paddy field.

MuSoW is used along the area between the paddy to removed unwanted grass and to agitated the soil surface

MuSoW will removed the unwanted grass that grow in the paddy field without damaging paddy plants.

Problem & Causes

Masalah & Punca

There are various types of machine for weeding in the market today. Most of the machines are heavy and make it exhausting for the farmers to operate it.

Besides that, the machine is expensive for the farmers to buy it. This will increase the cost for planting paddy.

Furthermore, the current machine is not portable and required larger space for storage. It will be harder for the farmer to move from one place to the other.

Originality & Novelty

Keaslian & Novelti

The originality of MuSoW are:

- the design of the blades that can penetrates the soil that able to remove the grass without effecting the paddy growth.
- the design of the duck leg which provide easy maneuvering on wet fields.
- the length of the wheel of blades that suitable for the size of the paddy field.
- the height of the machine is suitable with the height of the user and water in the paddy field.

Eco- Friendly Aspect

Aspek Mesra Alam Sekitar

MuSoW apply the eco-friendly aspect in:

- weeding process which promotes the growth and reproduction of microorganisms that produce more fertile soil with the cosmopolitan life of art.
- making paddy production more sustainable.
- reducing the amount of energy needed to produce crops.
- protecting the environment.
- making agriculture more efficient process.

Application & Market Potential

Aplikasi & Potensi Pasaran

MuSoW has various potential buyers that included:

- Farmers that grow paddy
- Company that making paddy production
- Koperasi that involved with agriculture
- Paddy organizations such as BERNAS, Lembaga Kemajuan Negeri

PRODUCT PICTURE

Gambar Produk



INNOVATION AND INVENTION FOR ALL