

PROTOTYPE DEVELOPMENT OF SOLID ANKLE CUSHION HEEL (SACH) PROSTHETIC FOOT

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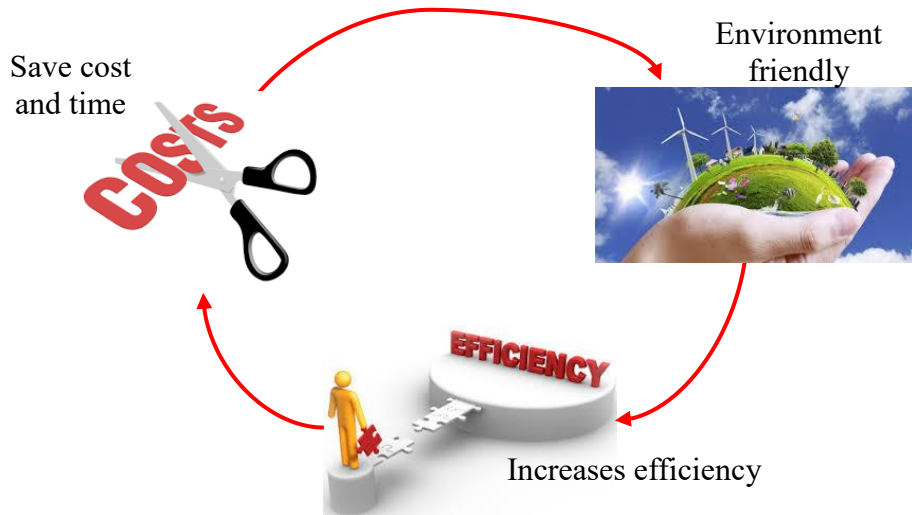


PRODUCT BACKGROUND

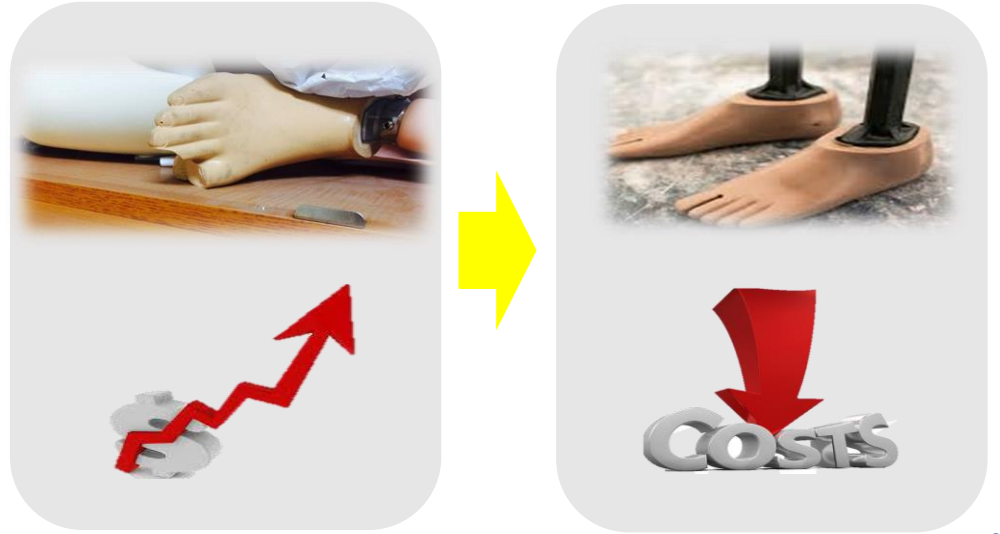
The product is very high quality with the combination of new materials, polyurethane and neoprene that give unique characteristics at low cost and safe.

The product have been design that assist by professional person and applicable to be used by user/patients.

IMPACT TOWARD COUNTRY AND SOCIETY



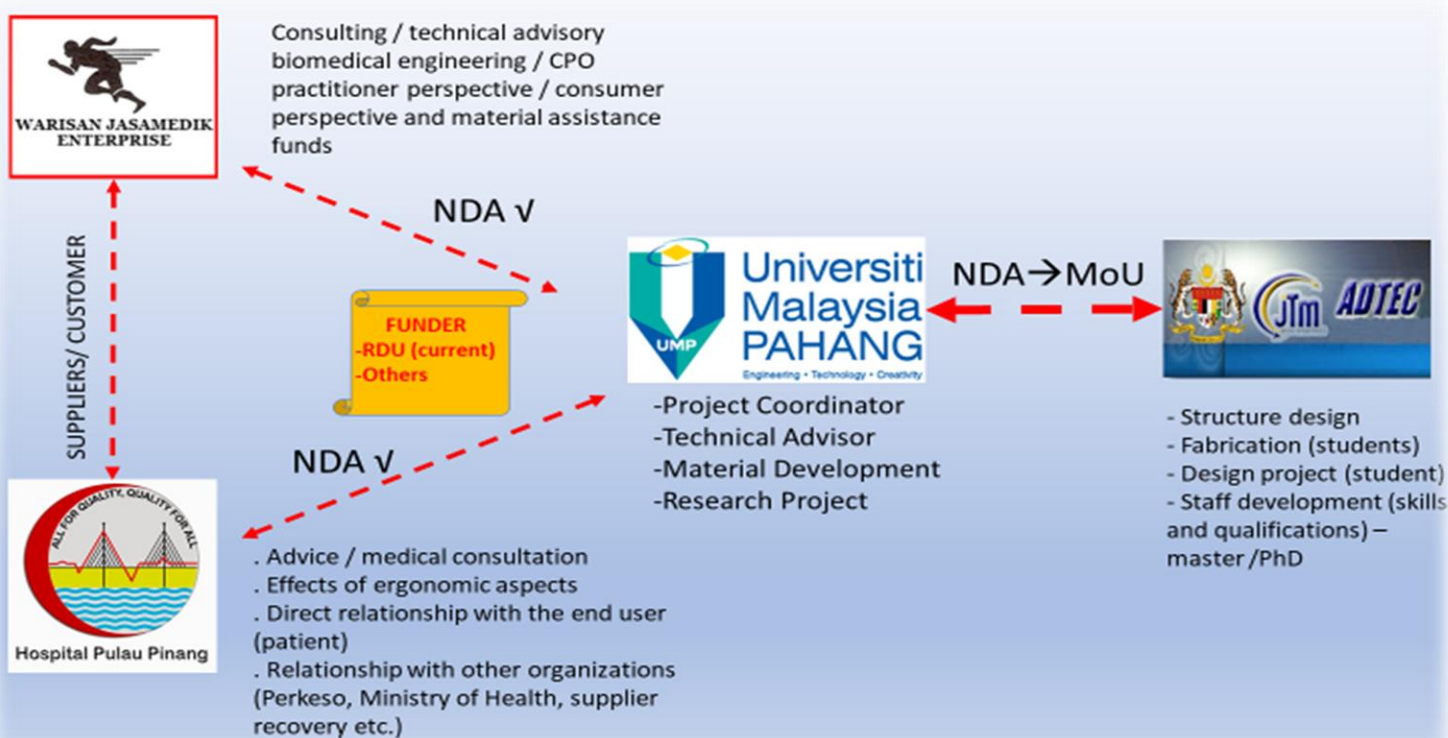
PROBLEM STATEMENT & OBJECTIVE



PRODUCT COMPARISON

Type	Our product	Ottobock	Teh Lin
Quality	Good	Good	Good
Price	RM277.00	RM605.00	RM559.00
Origin	Malaysia	Germany	Taiwan

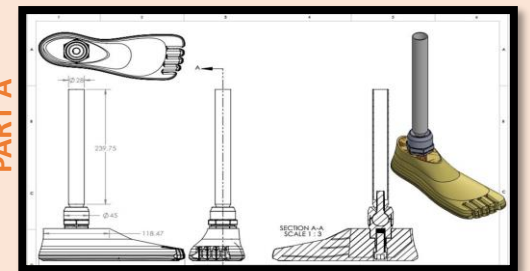
PROJECT SYNERGY



BENEFITS/ADVANTAGES

- Produce good quality with better durability of SACH prosthetic foot
- Lower cost
- Local product (localization)
- Suitable to our climate/weather
- Suitable for Asian people

STATE OF THE ART/METHODS



Full design of prosthetic leg

ACHIEVEMENT/AWARD

Participated on Human Engineering Symposium (HUMENS) 2021, University Malaysia Pahang.



PART B



3D model polished



The 3D model of SACH foot



The mold of SACH foot using silicone and fiberglass



SACH Prosthetic Foot