



Local
Low-cost
Open source
Self- adjustable

A prototype of a Low Cost lower leg Prosthesis is developed, which can be adjusted by the patient itself without the need of consulting the medical specialist or producer when adjustments need to be made. This is done in a user-centered way within a multidisciplinary collaboration between Dutch and Indonesian knowledge institutes, SMEs, designers, user organizations and governmental.

The prosthesis is produced in local personal fabrication labs ('FabLabs'), using local materials (such as pineapple tree fibers and bamboo). The blueprints of the prosthesis are free to share, re-use, adapt and transform.

Based on the principles of 'Implicit Learning' (Maxwell J, 2000), the Low Cost Prosthesis empowers its user by letting him or her directly adjust it upon its very own experience.

lowcostprosthesis.org