

Building with Oil Palm Trunk: Sustainable – Strong – Stunning

Aritta Suwarno, Solen le Clec'h, Wolter Elbersen



Building Material flagship

Objective(s)

To advocate for and promote the widespread adoption of building materials derived from oil palm trunk as a sustainable alternative in construction, emphasizing environmental benefits and fostering a circular economy approach.

Target audience

- Businesses – Construction companies, furniture companies, developer and real estate companies
- Professional – Architects and designers
- Green Building Certification Bodies
- Financial Institution and Investor
- Government Agencies and Policymakers
- Educational Institution

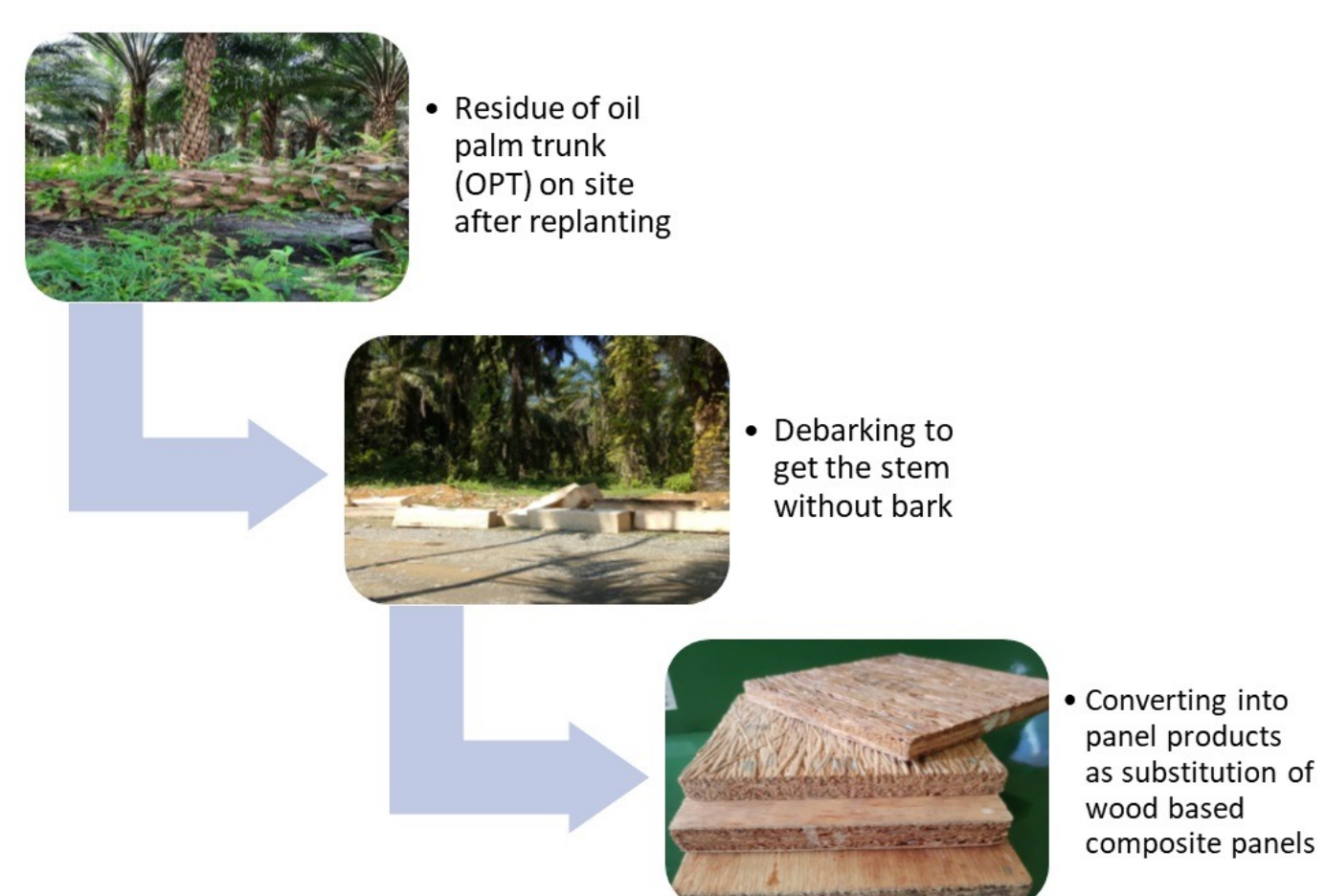


Figure 1. Converting oil palm trunk into wood based composite panels



Figure 2. Solid wood from oil palm trunk

Medium

Competition linked to an exhibition,
Two workshops, including a presentation to a lay audience,
Opinion piece,
A series of videos, including an educational video and videos from the workshops.

Activity	Date	Involved stakeholders	Location
Palm trunk competition	August 2024	Carving school, producers and potential buyers	Indonesia
Workshop – production side	September 2024	Business entity; Research and education entity; Government entity.	Indonesia
Workshop – consumption side	November 2024	Research and education entity; Government entity; Customers entity.	The Netherlands

Table 1. Foreseen activities that involve stakeholders

Scientific story