



FACILITIES

- Meeting room
- Guesthouse
- Nursery
- Laboratory
- Camp site



Guest house

CONTACTS

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BRIS SOIL CONSERVATION CENTRE
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MS ISO 9001:2008

SETIU

FRIM RESEARCH STATION
BRIS Soil Conservation Centre

INTRODUCTION



Office building

Setiu FRIM Research Station, Terengganu was established in 1996 on a 51-ha land owned by the government of Terengganu. Sixty percent or 30 ha of the total areas are reserved for research activities. The research area is further subdivided into 59 small plots of 0.5 ha each. The research station conducts research to develop BRIS soil by planting selected commercially viable forest tree species that can tolerate soil adversity.

BRIS - an abbreviation of Beach Ridges Interspersed with Swales - is a type of soil that consists of sand accumulated over a long period of time through natural processes, and deposited along the beach. The type of plants one would naturally see here are kelat, gelam, balau pasir, kemunting, senduduk, cucur atap, ru pantai and weeds. BRIS soil is a problematic type of soil, poor in nutrient and water holding capacity, that leads to very weak anchorage for the roots. Many trees could die during the drought season, and standing trees can be easily uprooted in the presence of strong wind. Frequent forest fire can also be expected.

Currently, the station is being planted with several popular forest species like acacia (*Acacia mangium*, *A. auriculiformis* and acacia hybrid), merawan siput jantan (*Hopea odorata*) and khaya (*Khaya senegalensis*). In addition, several non-timber species are also planted like buluh beting (*Gigantochloa levis*) and tongkat ali (*Eurycoma longifolia*). As a result of a continuous rehabilitation study, the land within the station is now filled with trees of mixed species. This rehabilitated land has now become a demonstration and research plot for the conservation of BRIS soil by the local universities and government agencies.

OBJECTIVES

- To conduct research and to disseminate information on the planting of trees on BRIS soil
- To identify potential forest tree species that could adapt to BRIS soil
- To promote the use of BRIS soil for planting of commercially viable forest tree species
- To develop a cost-effective technique for planting of trees on BRIS soil



RESEARCH ACTIVITIES

- Conservation and management of BRIS soil for forestry
- Classification and mapping of soil series
- Soil fertility and the use of soil amendment for growth
- Selection of appropriate species for each BRIS soil series
- Planting and growth monitoring of selected tree species
- Study of water uptake of selected tree species

