



UNIVERSITI TEKNOLOGI MARA

(REPORT ON INDUSTRIAL TRAINING AT)  
LEMBAGA KOKO MALAYSIA  
MADAI, BATURONG KUNAK

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## APPRECIATION:

Thanks be to God for His overflowing's gifts I was able to complete the training report this industry successfully. First of all, I would like to express our sincere appreciation to the director happy UiTM Kota Kinabalu,, Head of School Farm Management Diploma and Agriteknologi, Dr.Hendry Joseph for his involvement in making my industry training programs.

Not to forget this appreciation also goes to the Farm Manager FPPA Madai, Baturong En. Paul Lasiuan a lot of guidance and knowledge that is very useful during my industrial training.

My appreciation also goes to the parents who gave much support, a lot of friends to share ideas, information and referral sources. Not forgetting the parties directly, or indirectly involved in making industrial training in NEAC Madai, Baturong. Thank you.

## AGENCY BACKGROUND:

Research and development of cocoa station is the main station for research Malaysian Cocoa Board. With abundant land, many cocoa-related researches can be done here. As the main station, station development should be expedited to enable the deployment of officers and staffs are able to do and carry out research activities as planned. Construction of infrastructure facilities will be given priority.

As a center for research and pembangunan, the emphasis and the ultimate goal is to produce extraction technology in order to increase production and reduce costs. This is in line with Vision 2020 in stressing economic stability through increased productivity and efficiency. The thrust of this program is to provide direction to move the activities in accordance with the final goal of the board. In totality, the station is responsible for providing support to the activities and form of research needs. It serves as an agent to provide and contribute all facilities and equipment necessary to ensure that research activities can run smoothly and efficiently. Research activities in essentially dynamic and thus pembunganan stations will increase in parallel in the development of research activities.

The scope and objectives of the research and development of cocoa station is

1. Make the plant as a center of research activities to the street where the efficient, neat, and efficient.
2. Organize and provide all the necessary facilities fizikl and other requirements for the implementation of the research activities of the station.
3. Make the plant as a production of cocoa and producing new Malaysian Cocoa Board

Initially, the center is under research station project known as Sabah and Sabah research station. The station was established in 1992. However, in 2000, the station changed its name to the research and development of cocoa MadaiBaturongKunak.

## LOCALITY :

Research and development center cocoa MadaiBaturongKunak located in the upper Tingkayu also known as MadaiBaturong in Kunak. Distance from Kunak insensitiveness to the center is 42 km, while the distance to the city center is 108 km.kemudahantawau communication available to reach the center is a paved road 17 km through LahadDatu-Kunak and unpaved roads 27 km through brumas road - Tingkayu. The center is located in the heart of the scheme between smallholders and oil palm plantations swasta.di between the neighbors to the center is jeleta farm land, lentun farm, and the farm's IOI Group.

Chronological development and the development of cocoa research station, the Malaysian Cocoa Board has sought land in 1992 to establish a research station. The Malaysian Cocoa Board was first approved in 1994. In 1997, a second approval was issued. Therefore, the board has made an appeal for funding special premium. The second approval is the final approval and approved area is 3000 acres (1214.74 ha). Since its first approval obtained to the second approval, the project is under the control of the finance and administration director, Mr. Ibrahim Fauzib GOH station supervisor.

In November 1998, the work of clearing the first phase has confidently run of 500 acres. The work was done by contractors. In March.

## FLOWER

Flowers are in each cuppi leaves and branches on the main body tree. The size of this flower will grow as long as it is not damaged. A number of 10 branches of each side there are flowers. This flower hermaphrodite nature of the male and female flowers are in one. Each ovary has 40-70 ovules. There will be receptive after pollination for first 4-24 hours. This is to ensure that each ovule get full pollination to allow fertilization can occur. Pollination active around 7.00 am and end 19.00 am.

Delonggacocoa are small and sticky. therefore, it is easy to attach to the body of insect pollinators. Generally, insect pollinators of insect typeants type. For this reason, these insects will put some pollen from many flowers of the pistil to the occurrence of pollination and fertilization. most types of cocoa are dependent of fertilization failure between the pollen on the stigma of the same genotype. Compulsive use will produce