



UNIVERSITI TEKNOLOGI MARA

**REPORT ON INDUSTRIAL TRAINING AT
FIELD UNIT, UNIVERSITI TEKNOLOGI MARA
SABAH BRANCH**

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1.0 INTRODUCTION

1.1 Agency Background

In March 1973, ITM Sabah Branch was established with the cooperation and support from the Sabah Foundation and State Government. The temporary campus was in Sembulan and the first intake in July of that year comprised 159 students. On 17 August of the same year, the campus was officially open by the then Chief Minister of Sabah. Then in January 1982, a large majority of the student population was transferred to the permanent campus at Kuala Menggatal after the completion of its hostel blocks and other facilities. The move was completed in 1991 and now the university is known as UiTM Sabah Branch. Diploma in Planting Industry Management was offered in UiTM Sabah Branch since December 1999.

1.2 Location of Industrial Training



Figure 1.1: Field Unit (FU) UiTM Kota Kinabalu Campus

2.2 Activities

2.2.1 Greenhouse Monitoring

In plantation or agriculture, spraying is a standard method of applying herbicide, fungicide, pesticide, and weedicide control. In spraying, the chemicals to be applied are dissolved or suspended in water or less commonly in an oil-based carrier. Fungicide chemical was used inside the greenhouse. Meanwhile, herbicide chemical was applied outside the greenhouse. Fungicides are biocidal chemical compounds or biological organisms used to kill parasitic fungi or their spores. Herbicide is commonly known as weedkillers and chemical substances used to control unwanted plants. For extra knowledge, herbicide are classify into two category that called contact and systemic. Contact is only affect on weeds except the root and systemic will effect on the whole plant. Chemical that I used for fungicide is Mancozeb and for herbicide was Cypermethrin and Paraquat.

2.2.2 Purpose of Spraying

Purpose of spraying inside and outside greenhouse is to remove unwanted plant. It is important to remove any unwanted plant at the field because they will rob your soil and your plant to get a nutrient and water. Next, is to remove any pest and disease. It is important to control pest and disease because when we care about the yield production, we will get high yield and quality of agricultural products.

2.2.3 The Procedure to Use Backpack Sprayer

Table 2.2: Procedure before using backpack sprayer

Step 1	Read the manual carefully before using the sprayer.
Step 2	Make sure the backpack sprayer have labelled for fungicide or herbicide.
Step 3	Before use the backpack sprayer, we must clean first with water.
Step 4	After that, test again with water to make sure backpack sprayer functioning properly and has no leaks.
Step 5	Select the right nozzle. The nozzle is the part from which the chemical spray comes out. The type of nozzle determines how much spray comes out and what the size of the spray is.
Step 6	Calibrate the sprayer once every 3 months using clean water and a bucket.