

**UNIVERSITI TEKNOLOGI MARA
FACULTY OF ADMINISTRATIVE SCIENCES AND POLICY
STUDIES**



**OVERVIEW ON FIELD EVALUATION OF THREE
INSECTICIDES FOR THE CONTROL OF THE BLACK
PEPPER**

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CHAPTER 1

ORGANIZATION BACKGROUND

1.1 INTRODUCTION TO MALAYSIAN PEPPER BOARD (MPB)

Malaysian Pepper Board (MPB) has registered Sarawak Pepper with the Intellectual Property Corporation of Malaysia (MyIPO) as a product under Geographical Indications (GI) since 4th November 2003 as per stipulations in the Certification of Registration under the Geographical Indications Act 2000, Geographical Indication Regulations 2001.

Among the objectives of GI registration for Sarawak Pepper is primarily to protect the name, image and reputation such as the unique flavor profile, quality reputation, consumer loyalty and price premium either locally or abroad. It provides protection for Sarawak Pepper in any form, all graded pepper, value added pepper products and pepper based products of Malaysia from being illegally exploited by others.

Malaysian Sarawak Pepper exports have long gained the reputation of being reliable both in delivery and quality. This reputation has over the year spurred Malaysia pepper industry into moving further forward to producing niche products such as Sarawak Creamy White Pepper (CWP) and the Mikrokleen (MK) which are in high demand, particularly by clients who would not compromise on quality. Therefore, MPB as one of the government agencies entrusted with the development of the pepper industry in Malaysia ensure that only quality Sarawak Pepper will be exported overseas.

CHAPTER 2

JOB DESCRIPTION

2.1 Introduction to Job Description

I have been working for Malaysian pepper board as an assistant research officer (Q27) since 31 December 2010. As an assistant research officer, my responsibility is to assist research officer to implement their research project. In addition, I am also involved in management activity in my department such as procurement and others office management. Besides that, I also supervise my staff in maintenance the plant house.

2.2 Research Project

a. Determination of proposed maximum residue limit of new insecticide (Solomon) against insect pest of black pepper (*piper nigrum* L.)

Three supervised residue trials were conducted for one pepper production cycle (flowering stage to harvesting stage) at two commercial grower's plots in Kluang and Ulu Tiram, Johor from 2014-2015 namely Ulu Tiram farm, Herba Bagus farm and Kampung Niyor farm. The plots having 30 mature pepper vines (5 years old vines) each were selected and treated with Solomon using the manufacturer's recommended rate (0.60mL/L) and two time maximum recommended rate (1.20mL/L). Pepper vine of the variety "Kuching" was planted with spacing of 2.1 m between the row and 2.1 m within the row, with a population of 2,000 plants per ha. The Three (3) treatment consist of T1: