



EFFECT OF OFFICE TECHNOLOGY ON EMPLOYEES' HEALTH AT PETRONAS
FERTILIZER (KEDAH) SDN. BHD. (NON-PRODUCTION)

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ABSTRACT

The researchers examined the effects of using office technology such as computer, telephone, printer, photocopier, scanner and fax machine on the employees' health at Petronas Fertilizer (Kedah) Sdn. Bhd. that focus on non-production employees. Nowadays, all offices throughout the world use technology in its work in order to make it easier and faster. But, many employees do not realize that some of the equipment can affect their health. The effects of using computer include the illness to the employees and the risks to their health. In this research the researchers provided the preventions and the solution to the problem. The employees' awareness on the effects from using the equipment is very low. They do not realize that their healths will suffer if they take for granted about the radiation from the equipment that they used. The data were obtained from questionnaires which consist of convenience sampling. The questionnaires were distributed to the non production employees who worked with office technology equipments in the company. The researchers found that most of the employees contributed to the experience in any pain such as numbness, or tingle in their wrist, hand or finger, headache, neck and back injuries or arm injuries because of computer uses. But, the researchers also found that the majority of the employees who work using the office equipment such as computer in the long period of time did not have a problem with their vision. This is because they practise a healthy and safety steps during working with the equipments such as using a screen filter for their computer, use ergonomic chairs or desk and choose the best size and weight of their laptop.

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CHAPTER ONE

INTRODUCTION

1.0 BACKGROUND OF THE STUDY

The researchers examined the effects of the office technology such as computer, telephone, photocopier, scanner, fax machines, and printer on the employees' health at Petronas Fertilizer (Kedah) Sdn. Bhd. Nowadays, all offices throughout the world use technology in its work such as computer, telephone, facsimile machine, and photocopier to make its work easier and faster. But, many employees do not realize that some of the equipment can affect their health. The radiation from mobile phones has given an increased effect towards the health of the users especially due to the high increase in the use of these phones throughout the world. The electromagnetic radiation from the mobile phone can be harmful to employees' health. On the other hand, a research had been conducted on the use of the different types of non-keyboard input device (NKID) such as the mouse, trackball and touch screen, and the problem associated with using them (Universities of Surrey and Loughborough, 2002) is musculoskeletal disorders. This statement shows that the use of the computer and telephone for a long period of time may be harmful to the human health. Therefore, the researchers have conducted a research on the effects of the office technology on employees' health at Petronas Fertilizer (Kedah) Sdn. Bhd.