ABSTRACT

THE RELATIONSHIP BETWEEN EXPOSURE FREQUENCY, LENGTH OF EMPLOYMENT AND USE OF PERSONAL PROTECTIVE EQUIPMENT WITH IRRITANT CONTACT DERMATITIS INCIDENT ON SPRAY WORKER IN KOPERASI SERBA USAHA SEJAHTERA BERSAMA (KSUSB) DISTRICT OF TULANG BAWANG LAMPU NG

By

SANDRA RINI

Irritant contact dermatitis (DKI) is an inflammatory response that caused by direct exposure of irritants agents with skin. Data from RSUPN Dr. Cipto Mangunkusumo, the incidence is 50 cases (11.9%) of all contact dermatitis. This attacks on people who frequently contact with toxic or allergic agents. It makes the incidence is still high on the farmer.

This study is a observational study with cross-sectional approachment. Sampling used by total sampling method on spray workers. 56 workers who met study criteria would fill out questionnaire. Data was analyzed to see the relationship between exposure frequency, length of employment and use of personal protective equipment with DKI on spray workers in KSUSB Tulang Bawang in Lampung Province.

The result showed 30 respondents (53.6%) had contact >8x, 26 respondents (46.4%) had <8x contact with chemicals agents in one day. 39 respondents (69.6%) had >1 year of length employment, 17 respondents (30.4%) had <1 year of length employment. 29 respondents (51.2%) sometimes used personal protective equipment, 27 respondents (48.2%) never used personal protective equipment. 33 (41.1%) had irritant contact dermatitis, 23 respondents (58.9%) hadn’t irritant contact dermatitis. Based on data analysis, there were significant relationship between exposure frequency (p=0.004), length of employment (p=0.003) , use of personal protective equipment (p=0.001) with irritant contact dermatitis incidence. The conclusion of this study is that there were relationship between exposure frequency, length of employment and the use of personal protective equipment with DKI incidence on spray workers in Koperasi Serba Usaha sejahtera Bersama (KSUSB) Tulang Bawang in Lampung Province .

Keywords : Exposure frequency, length of employment, personal protective equipment, irritant contact dermatitis.