ABSTRACT

CORRELATIONS OF AGE, DURATION OF WORK, TIME OF WORK AND BODY MASS INDEX (BMI) WITH INCIDENT OF LOW BACK PAIN (LBP) AMONG FARMERS IN DESA MUNCA KABUPATEN PESAWARAN

By

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Lampung is one of the province in Indonesia which focused in agroindustry sector area. Most of the civil community are working as a farmers for living. Farmer in daily work activity have some potential hazard that would impact in health and safety workplace risks. One of the most common health risk that happen to farmer is musculoskeletal disorder that almost reach 60% among all of work related diseases. Part of body that often gained is lower back or it usually called low back pain (LBP) which can be inflicted by various risk factors such as individual factor, work factor, and environmental factor. This research is aimed to know the correlation between age, duration of work, time of work, and body mass index (BMI) with LBP incident among farmer in Desa Munca Kabupaten Pesawaran. This research took place in Desa Munca Kabupaten Pesawaran in September-October 2015. This research used cross-sectional method and consecutive sampling as a withdrawal sampling method with 81 samples. This research was analyzed by using univariat and bivariat chi-square test. The data withdrawal technique that used for research were observating and questionnaire filling. The result of this research showed that respondents with LBP are 56.8% and the dominant researched variables distribution are age ≥30, duration of work ≤8 hours, time of work >5 years, and BMI ≥23 (overweight). The conclusion of this study is age (p=0.037), duration of work (p=0.044), and time of work (p=0.042) are significantly related with LBP, but BMI is not significantly related with LBP (p=0.748).

Keywords: Age, body mass index, duration of work, farmer, low back pain, time of work