

## ABSTRACT

### CORRELATION OF PREDISPOSING FACTORS WITH USAGE OF PERSONAL PROTECTIVE EQUIPMENT (PPE) AMONG FARMERS USING PESTICIDE IN WONODADI VILLAGE GADING REJO DISTRICT PRINGSEWU REGENCY

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**Background:** The agricultural sector have a potential risk and hazards, hence, Occupational Health and Safety (K3 or OHS) is implemented to prevent the risks and hazards, one of the way is by using PPE. Based on the preliminary survey conducted in Wonodadi Village, it has been found that the behavior of using PPE among farmers isn't going well. This study is conducted to know the correlation of predisposing factors with usage of PPE among farmers using pesticide.

**Methods:** This study is a quantitative study with a cross sectional design. The study was conducted in Wonodadi Village, Gading Rejo District, Pringsewu Regency. All farmers in Wonodadi Village is the population and 53 farmers who use pesticides were questioned as the sample of this study. Sampling technique done with accidental sampling. Independent variables were the predisposing factors which are education level, knowledge, attitude, age, and years of service. Dependent variable was the behaviour of the use of PPE. The questionnaire is used as the study instrument. Data were univariat and bivariat analyzed using chi square and fisher exact alternative test and  $\alpha = 5\%$ .

**Results:** The number of farmers using PPE with well behavior was 26 (49%) and with poor behaviour was 27 (51%), higher level of education 54,7%, well knowledge 58,5%, positive attitude 56,6%, older age 83%, and longer years of service 86,8%. There is a correlation between education level ( $p = 0,000$ ), knowledge ( $p = 0,000$ ), and attitude ( $p = 0,000$ ), and there is no correlation between age ( $p = 0,728$ ) and years of service ( $p = 0,704$ ) with the use of PPE among farmers.

**Conclusion:** There is a correlation between education level, knowledge, and attitude with the use of PPE among farmers who use pesticides in Wonodadi Village.

**Keywords:** Predisposing Factors, Personal Protective Equipment (PPE), Farmers, Pesticides, Behavior.

## ABSTRAK

### HUBUNGAN FAKTOR PREDISPOSISI DENGAN PERILAKU PENGGUNAAN ALAT PELINDUNG DIRI (APD) PADA PETANI PENGGUNA PESTISIDA DI DESA WONODADI KECAMATAN GADING REJO KABUPATEN PRINGSEWU

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**Latar Belakang:** Sektor pertanian memiliki risiko dan bahaya potensial, maka perlu diterapkan kebijakan keselamatan dan kesehatan kerja (K3) untuk mencegah hal tersebut salah satunya dengan menggunakan APD. Survey pendahuluan menunjukkan perilaku penggunaan APD pada petani yang menggunakan pestisida kurang baik. Penelitian bertujuan untuk mengetahui hubungan faktor predisposisi dengan perilaku penggunaan APD pada petani pengguna pestisida.

**Metode:** Penelitian ini merupakan penelitian kuantitatif dengan pendekatan *cross sectional*. Penelitian dilakukan di Desa Wonodadi Kecamatan Gading Rejo Kabupaten Pringsewu. Populasi yaitu seluruh petani di Desa Wonodadi dengan sampel yaitu petani yang menggunakan pestisida di Desa Wonodadi sebanyak 53 petani. Pengambilan sampel dengan teknik *accidental sampling*. Variabel bebas faktor predisposisi tingkat pendidikan, pengetahuan, sikap, umur, dan masa kerja. Variabel terikat perilaku penggunaan APD. Instrumen penelitian menggunakan kuesioner. Metode analisis univariat dan bivariat dengan menggunakan *chi square* dan uji alternatif *fisher exact test* dengan  $\alpha = 5\%$ .

**Hasil Penelitian:** Total petani dengan perilaku penggunaan APD yang baik sebanyak 26 petani (49%) dan tidak baik sebanyak 27 petani (51%), tingkat pendidikan tinggi 54,7%, pengetahuan baik 58,5%, sikap positif 56,6%, umur tua 83% dan masa kerja lama 86,8%. Terdapat hubungan antara tingkat pendidikan ( $p = 0,000$ ), pengetahuan ( $p = 0,000$ ), sikap ( $p = 0,000$ ), dan tidak ada hubungan antara umur ( $p = 0,728$ ) dan masa kerja ( $p = 0,704$ ) dengan perilaku penggunaan APD pada petani pengguna pestisida.

**Kesimpulan:** Terdapat hubungan antara tingkat pendidikan, pengetahuan, sikap dengan perilaku penggunaan APD pada petani pengguna pestisida di Desa Wonodadi.

**Kata Kunci:** Faktor Predisposisi, Alat Pelindung Diri (APD), Petani, Pestisida, Perilaku.