

## ABSTRACT

Pesticide have their uses are very broad, but all understand the dangers and consequences that befall humans of blood enzyme cholinesterase activity. Case about pesticide toxicity incident on pesticide worker one of them was about incorrect spraying management. Most of them lack to pay attention about spraying management to prevent pesticide intake into the body.

Type of this research is descriptive research, according to timing aspect have crosssectional characteristic. Population are all tobacco pesticide spray workers in Jelbudan Village Dasuk District in Sumenep Regency who has working as sprayer within 3 years with magnitude samples 35 respondents taken in total sampling.

The result of the research indicating there are impact in spraying management toward blood enzym cholinesterase and health compliants. Analysis result of Ratio Prevalence (PR) on spraying management, most dominant pesticide dosage with value of PR =3,73. While health compliants is positioned in the first ranking respiration compress with value of PR = 2,25.

From this research can be concluded that there is impact on spraying management toward blood enzym cholinesterase activity and health compliants. Socialization about correct spraying management through conducting information, print media, and electronic media to improving people's knowledge, changes spray workers behavior, as well as minimizing pesticide toxicity harm.

*Key words: spraying management, health compliants, blood enzym cholinesterase*