

## Supervisory Relationship with the Use of Personal Protective Equipment on Employees

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### Abstract

The objective of the research to analyze the supervisory relationship with the use of personal protective equipment for employees at PT. Bumi Maju Sawit Mantadulu Village, District of Angkona Regency East Luwu in 2022. The research design used in this study was an analytic survey using a quantitative method with a cross sectional design. The independent variables, namely attitudes and supervision, were measured together at the same time as the dependent variable, namely the use of personal protective equipment (PPE). The result of the research showed that There is no supervisory relationship with the use of personal protective equipment (PPE) for PT Bumi Maju Sawit employees, Mantadulu Village, District. Tomoni Regency. East Luwu in 2022.

**Keywords:** Supervisory, Personal Protective, Employees

Received: July 4, 2023

Revised: July 26, 2023

Accepted: August 11, 2023

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### Introduction

There are several things that can cause employees to be unsafe at work, including discomfort, lack of knowledge about work safety, ignorance of work safety values, and supervision from superiors. Supervision can also have an impact on employees because it makes employees feel watched while working and demands that they use PPE while doing their work, but some consider it a restriction of movement (Prabawati, 2018).

Attitude towards the use of personal protective equipment (PPE) is a reaction or reactions of employees to the use of PPE in the workplace. This research is in line with research conducted (Risa et al. 2019) that there is a significant relationship between attitudes towards the use of personal protective equipment (PPE) among employees of PT. Surya Agrolika Reksa in Sei Basau in 2017.

Supervision is a layer of supervisors in the management organization, or heads of organizations that directly control materials, facilities, machinery and equipment in the workplace. This research is in line with research conducted (Indragiri & Salihah, 2020) that there is a supervisory relationship to the use of personal protective equipment (PPE) in production workers in the bagging area of PT Japfa Comfeed Indonesia Tbk in 2020.

Based on interviews some time ago and as initial data at the Head of the Administration Section of PT Bumi Maju Sawit, Mantadulu Village, District of Angkona Regency East Luwu obtained data that in 2012 there had been a work accident where one worker had a work accident because his safety guard broke and then repeated again in 2016, where all of the workers in the production sector resulted in permanent accidents for these workers. The objective the research

to analyze the supervisory relationship with the use of personal protective equipment for employees at PT. Bumi Maju Sawit Mantadulu Village, District of Angkona Regency East Luwu in 2022.

## Methods

The research design used in this study was an analytic survey using a quantitative method with a cross sectional design. The independent variables, namely attitudes and supervision, were measured together at the same time as the dependent variable, namely the use of personal protective equipment (PPE). This research was conducted to find out whether there is a relationship between attitude and supervision with the use of personal protective equipment (PPE) for PT Bumi Maju Sawit employees, Mantadulu Village, District of Angkona Regency East Luwu in 2022. Research was conducted at PT. Bumi Maju Sawit in Mantadulu Village. This research was conducted from July to August in Mantadulu Village, District of Angkona Regency East Luwu in 2022. The population in this study consisted of all employees of PT Bumi Maju Sawit, Mantadulu Village, District of Angkona Regency East Luwu with a total of 133 employees. the sample in this study were some of the employees of PT Bumi Maju Sawit, totaling 49 people. The sampling technique used in this study was simple random sampling, namely random sampling. Data analysis using computer aids with the SPSS 22 application program. using univariate and bivariate analysis.

## Results and Discussion

### Univariate Analysis

#### Gender

Table 1. Distribution by Gender of Respondents at PT Bumi Maju Sawit Mantadulu Village 2022 (N=49)

Gender	Frequency (f)	Percent(%)
Man	49	100,0
Women	0	0
<b>Total</b>	<b>49</b>	<b>100.0</b>

#### Personal Protective Equipment

Table 2. Distribution based on Respondents' Personal Protective Equipment at PT Bumi Maju Sawit Mantadulu Village in 2022 (N=49)

Personal Protective Equipment	Frequency (f)	Percent (%)
Good	44	89,8
Not Enough	5	10,2
<b>Total</b>	<b>49</b>	<b>100.0</b>

#### Monitoring

Table 3. Distribution based on Respondent Supervision at PT Bumi Maju Sawit Mantadulu Village in 2022 (N=49)

Supervision	Frequency(f)	Percent (%)
Good	45	91,8
Not enough	4	8,2

<b>Total</b>	<b>49</b>	<b>100,0</b>
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### Bivariate Analysis

**The relationship between supervision and the use of personal protective equipment for employees of PT Bumi Maju Sawit, Mantadulu Village, Distric Angkona regency. East Luwu.**

Table 4. Relationship of supervision with the use of personal protective equipment for employees at PT Bumi Maju Sawit Mantadulu Village in 2022 (N=49).

Supervision	Personal Protective Equipment				Total		P Value
	Good		Not Enough				
	n	%	N	%	N	%	
Good	40	81,6	5	10,2	45	91,8	1,000
Not Enough	4	8,2	0	0,0	4	8,2	
Total	44	89,8	5	10,2	49	100	

Based on table 4 it is known that in the group of respondents who have good supervision, there are 40 (81.6%) who have good use of personal protective equipment, and 4 (8.2%) who have less supervision in the use of personal protective equipment for employees. Whereas in the group of respondents who had less supervision, there were 5 (10.2%) who had good use of personal protective equipment and 0 (0%) who had less supervision in the use of personal protective equipment for employees.

Based on the statistical results using chi-Square, it shows that the value of  $p = 1.000$ , this means that the value of  $p \geq 0.05$ , then  $H_0$  is accepted, meaning that there is no relationship between supervision and the use of personal protective equipment for employees at PT Bumi Maju Sawit, Mantadulu Village in 2022.

### **The relationship between supervision and the use of personal protective equipment (PPE) for employees of PT Bumi Maju Sawit, Mantadulu Village, Angkona District, East Luwu Regency.**

Supervision is the power given to subordinates by superiors to carry out structural sanctions continuously and continuously on subordinates through observation, assessment, and directing work called supervision (Harianto & Saputra, 2020).

Based on the results of statistical tests using the chi-square test, the value of  $p = 1.000$  ( $p > 0.05$ ) showed that there was no relationship between supervision and the use of personal protective equipment (PPE) at PT Bumi Maju Sawit, Mantadulu Village, Kec. Angkona Kab. East Luwu. In this study, out of 49 respondents who had good supervision in the use of personal protective equipment (PPE), there were 40 (81.6%) respondents, this was because the supervision had been carried out properly because it was carried out every day on workers and respondents who had poor supervision in 4 (8.2%) respondents use personal protective equipment (PPE), this is because there are still workers who only use personal protective equipment when supervisors are around.

Based on the results of interviews and observations, the supervision carried out by the company foreman on workers is good, both supervision from work and supervision in terms of the rules for using personal protective equipment (PPE).

Based on the results of research conducted by (Edigan & Putra, 2018). After being tested statistically, the value of  $p = 0.854 > 0.05$  is obtained. These results indicate that there is no significant relationship between supervision and the use of personal protective equipment (PPE) for mechanical engineering workers at PT PLN Rayon Tambilahan.

Supervision has an important role in the use of personal protective equipment (PPE) for workers. If supervision at a company is lacking, then workers will be careless and neglect the importance of using PPE while working and of course it can result in losses for both workers and the company (Edigan & Putra, 2018).

### **Conclusion**

There is no supervisory relationship with the use of personal protective equipment (PPE) for PT Bumi Maju Sawit employees, Mantadulu Village, District. Tomoni Regency. East Luwu in 2022.

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