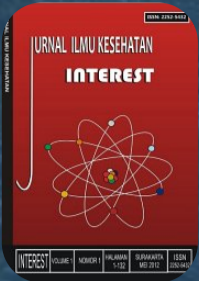


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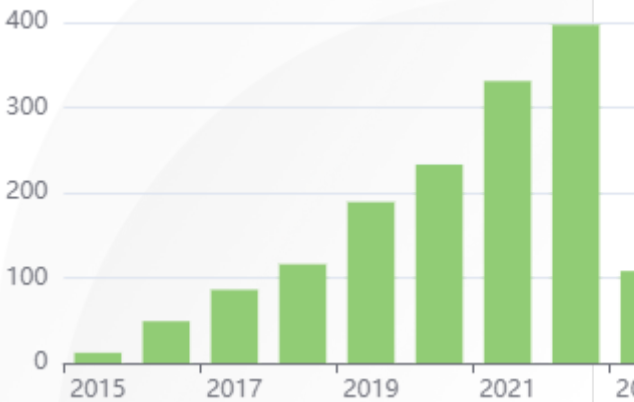
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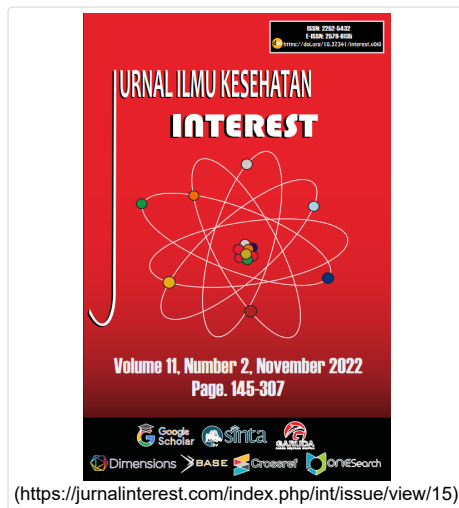
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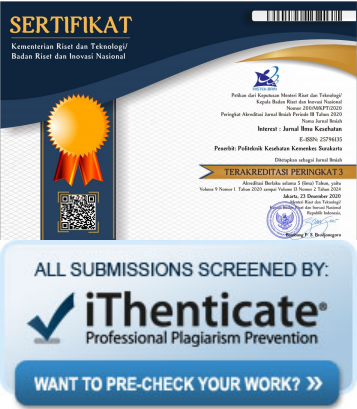
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
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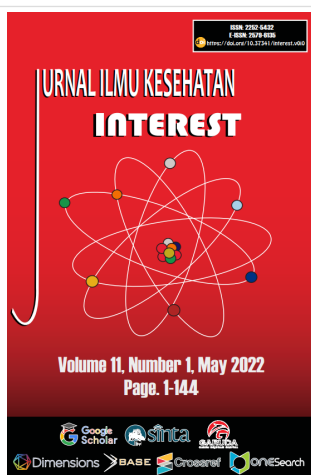
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## Original Research

# Compliance Analysis For The Use Of Covid-19 Personal Protective Equipment (PPE) Based On The Theory Of Planned Behavior On Health Workers

Mimiet Ismurdijahmitra<sup>1\*</sup>, Sentot Imam Suprpto<sup>2</sup>, Ratna Wardani<sup>3</sup>

<sup>1,2,3</sup> Master of Hospital Administration Study Program, Faculty Master of Health Institute STRADA Indonesia Kediri, Indonesia

## ABSTRACT

**Background:** One way to prevent the spread of the Covid-19 virus to health workers is to adhere to the use of personal protective equipment. Increased compliance by health workers will increase awareness of the dangers of Covid-19 infection.

**Methods:** Use a cross-sectional approach to design and conduct a descriptive analysis of the research. The population of all health workers at the Usada Buana Inpatient Main Clinic Surabaya, with a sample of 102, was determined by a proportional random sampling technique. Structural Model Analysis (SEM-PLS) with significance T Value > 1.64, with steps: designing a measurement model (outer model), designing a structural model (inner model), constructing a path diagram, converting a path diagram to a system of equations, estimating path coefficient, loading, and weight, evaluating the goodness of fit, and hypothesis testing.

**Results:** The results showed that 48% of the excessive or low intentions of health workers in the use of COVID-19 PPE can very well be explained by attitudes (X1), subjective norms (X2), and perceptions of behavioral control (X3). In the meantime, 65.1% of the excessive or low adherence to COVID-19 PPE in medical examiners can be defined with the aid of the version used in this study (the model idea of deliberate conduct), and other variables outside this study version explain the rest (34.1%).

**Conclusion:** Attitudes, subjective norms, and perceived behavioral controls can affect compliance with PPE use through intention mediation. Further studies are also endorsed to behavior research on the layout of instructional interventions based totally on the Theory of planned conduct in enhancing medical experts' compliance with adherence to PPE.

## ARTICLE HISTORY

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## KEYWORDS

compliance, covid-19, PPE;

## CONTACT

Mimiet Ismurdijahmitra



[mimietismurdijah@gmail.com](mailto:mimietismurdijah@gmail.com)

Master of Hospital Administration Study Program, Faculty of Master of Health IIK Strada Indonesia Kediri, Jln. Manila No.37, Tosaren, Pesantren, Kediri City, Indonesia.

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## INTRODUCTION

WHO has officially declared the COVID-19 outbreak a global pandemic. Clinical signs of COVID-19 include acute breathing distress, fever, cough, and shortness of

**Original Research****Evaluation Of The Use Prophylaxis Antibiotic In Cesarean Section Patients In The Central Surgical Installation****Rahayu Septia Ayuni<sup>1\*</sup>, Ade Maria Ulfa<sup>2</sup>, Annisa Primadhamanti<sup>3</sup>**<sup>1,2,3</sup> Pharmacy Study Program, Universitas Malahayati, Bandar Lampung**ABSTRACT**

**Background:** Caesarean section is the delivery through a surgical incision in the abdomen and uterus with various risks, such as Surgical Site Infection (SSI). This research aims to evaluate the use of prophylactic antibiotics and observe the outcome of prophylactic antibiotic therapy in cesarean section patients.

**Methods:** This non-experimental research used descriptive methods and the data were obtained retrospectively from medical records. The data covered the type of antibiotic used, the dose used, the route of administration, and the time of administration. The results of the study were compared with the ASHP Therapeutic Guideline which is then measured using the percentage formula.

**Results:** The results showed from the 54 patients, most of them aged 20-34 years (63.0%) with a gestational age of 37-42 weeks (96.2%), and length of treatment of 4 days (72.2%). There are 5 types of indications in the cesarean section patients and the highest case is the patients with a history of cesarean section.

**Conclusion:** Based on research on the use of prophylactic antibiotics in cesarean section patients at the Pertamina Bintang Amin Hospital Surgical Center Lampung in 2019 – 2020, it has not met the ASHP Therapy Guidelines. Because of the four analyzes, only the dose, route of administration, and time of administration met 100% of the ASHP Therapeutic Guidelines. Meanwhile, the analysis of the types of prophylactic antibiotics does not comply with the ASHP Therapeutic Guidelines. The therapeutic showed a good outcome based on the patient's body temperature.

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cesarean section, evaluation of drug use, prophylaxis antibiotic;

**CONTACT**

Ade Maria Ulfa

[adeulfa81@yahoo.co.id](mailto:adeulfa81@yahoo.co.id)Pharmacy Study Program,  
Universitas Malahayati  
Bandar Lampung. Jl. Pramuka  
No.27, Kemiling Permai, Kec.  
Kemiling, Kota Bandar Lampung,  
Lampung 35152.

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**INTRODUCTION**

The condition of cesarean sections in the world continues to increase in prevalence. The number of deliveries by the cesarean method has increased worldwide and exceeds the 10%-15% range recommended by the World Health Organization (WHO) to save the mothers and babies lives. Latin America and the Caribbean region



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*The research protocol proposed by*

Peneliti utama : EASTER ADHI ASTUTI  
*Principle Investigator*

Nama Institusi : Universitas Diponegoro  
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**"FAKTOR-FAKTOR YANG BERHUBUNGAN DENGAN KEPATUHAN BEROBAT PASIEN TB-SO PADA MASA PANDEMI COVID-19  
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**"FACTORS ASSOCIATED WITH TREATMENT ADHERENCE OF PATIENTS WITH DRUG-SENSITIVE TUBERCULOSIS  
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Semarang, 26 April 2022  
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