

Part of **SPRINGER NATURE**

[PROCEEDINGS](#) | JOURNALS | BOOKS

Search

Series: [Advances in Health Sciences Research](#)

Proceedings of the 4th International Conference on Sustainable Innovation 2020–Health Science and Nursing (ICoSIHSN 2020)

PROCEEDINGS OF THE 4TH INTERNATIONAL CONFERENCE ON SUSTAINABLE INNOVATION 2020–HEALTH SCIENCE AND NURSING (ICOSIHSN 2020)



Relationship of Age, Body Mass Index, and Gravida in Pregnant Women With Preeclampsia in Muhammadiyah Hospital Surabaya

Authors

Maya Rafida, Nur Mujaddidah Mochtar, Ninuk Dwi Artiningtyas, Muhammad Anas

Corresponding Author

Muhammad Anas

DOI

<https://doi.org/10.2991/ahsr.k.210115.008> How to use a DOI?

Keywords

Preeclampsia, Pregnant women, Age, BMI, Gravida

Abstract

Background/aim: Preeclampsia is one of the causes of increased maternal mortality. The rate in East Java Province reached 91 per 100,000 live births. The highest cause of maternal death in 2016 was preeclampsia/eclampsia, which was 30.90% or 165 people. This study aims to determine the relationship of age, body mass index (BMI), and gravida to pregnant women who have preeclampsia at Muhammadiyah Hospital in Surabaya. **Materials and Methods:** This case-control study uses a total sampling obtained 210 pregnant women, as many as 105 preeclampsia pregnant women and 105 normal pregnant women. **Results:** The results of bivariate statistical tests found that age, BMI is a risk factor for the incidence of preeclampsia (p: 0.039; p: 0.002), and gravida has no relationship (p: 0.410). Differ with the multivariate test; there was an influence of age 36-45 years on the incidence of preeclampsia with a risk of 4.060 times compared to the age of 20-35 years, obese affected with a risk of 4.696 times compared to a healthy weight and gravida influencing with a risk of 2,099 times experiencing preeclampsia. **Conclusion:** There is a relationship between age, BMI, and gravida in preeclampsia at Muhammadiyah Hospital in Surabaya.

Copyright

© 2021, the Authors. Published by Atlantis Press.

Open Access

This is an open access article distributed under the CC BY-NC license ([http://creativecommons.org/licenses/by-](http://creativecommons.org/licenses/by-nc/4.0/)

nc/4.0/).

[+ Download article \(PDF\)](#)



Volume Title

Proceedings of the 4th International Conference on Sustainable Innovation 2020–Health Science and Nursing (ICoSIHSN 2020)

Series

Advances in Health Sciences Research

Publication Date

16 January 2021

ISBN

978-94-6239-315-8

ISSN

2468-5739

DOI

<https://doi.org/10.2991/ahsr.k.210115.008> [How to use a DOI?](#)

Copyright

© 2021, the Authors. Published by Atlantis Press.

Open Access

This is an open access article distributed under the CC BY-NC license
(<http://creativecommons.org/licenses/by-nc/4.0/>).

Cite this article

ris

enw

bib

```
TY - CONF
AU - Maya Rafida
AU - Nur Mujaddidah Mochtar
AU - Ninuk Dwi Artiningtyas
AU - Muhammad Anas
PY - 2021
DA - 2021/01/16
TI - Relationship of Age, Body Mass Index, and Gravida in Pregnant Women With
Preeclampsia in Muhammadiyah Hospital Surabaya
BT - Proceedings of the 4th International Conference on Sustainable Innovation 2020-
Health Science and Nursing (ICoSIHSN 2020)
PB - Atlantis Press
SP - 37
EP - 42
SN - 2468-5739
UR - https://doi.org/10.2991/ahsr.k.210115.008
DO - https://doi.org/10.2991/ahsr.k.210115.008
TD - Rafida2021
```

ER -

[COPY TO CLIPBOARD](#)

Atlantis Press

Atlantis Press – now part of Springer Nature – is a professional publisher of scientific, technical & medical (STM) proceedings, journals and books. We offer world-class services, fast turnaround times and personalised communication. The proceedings and journals on our platform are Open Access and generate millions of downloads every month.

For more information, please contact us at: contact@atlantis-press.com

- ▶ PROCEEDINGS
- ▶ JOURNALS
- ▶ BOOKS
- ▶ POLICIES
- ▶ MANAGE COOKIES/DO NOT SELL MY INFO
- ▶ ABOUT
- ▶ NEWS
- ▶ CONTACT
- ▶ SEARCH



