

By using this website, you agree that EDP Sciences may store web audience measurement cookies and, on some pages, cookies from social networks. [More information and setup](#)

OK

edp sciences Journals Books Conferences



E3S Web of Conferences

All issues Series
Forthcoming About

Q Search ☰ Menu

About the journal ▶ Editorial board

About the journal

[Aims and scope](#)

[Editorial board](#)

[Indexed in](#)

[Publishing Policies & Ethics](#)

[Published by](#)

Editorial board

Rachid Bennacer

École Normale Supérieure, Cachan, France

[website](#)

Chérifa Boukacem-Zeghmouri

Université Claude Bernard Lyon 1, Villeurbanne, France

[website](#)

Vladimir Buzek

Slovak Academy of Sciences, Bratislava, Slovakia

[website](#)

Heidi Gautschi

Haute Ecole Pédagogique de Lausanne, Switzerland

Éric Lichtfouse

National Research Institute for Agriculture, Food and Environment (INRAE), Aix-en-Provence, France

[website](#)

Maria S. Madjarska

Max Planck Institute for Solar System Research, Germany

By using this website, you agree that EDP Sciences may store web audience measurement cookies and, on some pages, cookies from social networks. [More information and setup](#)

Jun Sun

Tianjin University of Science and Technology, P.R. China

[website](#)

Ming-Jun Zhang

DGUT-CNAM Institute, Dongguan University of Technology, Guangdong Province, P.R. China

[website](#)

Zhien Zhang

The Ohio State University, Columbus, USA

E3S Web of Conferences

eISSN: 2267-1242



[Mentions légales](#)

[Contacts](#)

[Privacy policy](#)

By using this website, you agree that EDP Sciences may store web audience measurement cookies and, on some pages, cookies from social networks. [More information and setup](#)

OK

[All issues](#) ▶ [Volume 202 \(2020\)](#) ▶ [E3S Web Conf., 202 \(2020\) 12016](#) ▶ [Abstract](#)

Open Access

Issue	E3S Web Conf. Volume 202, 2020 The 5 th International Conference on Energy, Environmental and Information System (ICENIS 2020)
Article Number	12016
Number of page(s)	8
Section	Public Health and Epidemiology
DOI	https://doi.org/10.1051/e3sconf/202020212016
Published online	10 November 2020

Table of Contents

Article

[Abstract](#)

[PDF \(273.6 KB\)](#)

[References](#)

[NASA ADS Abstract Service](#)

Metrics

[Show article metrics](#)

Services

Same authors

- [Google Scholar](#)
- [EDP Sciences database](#)

[Recommend this article](#)

[Download citation](#)

[Alert me if this article is corrected](#)

[Alert me if this article is cited](#)

Related Articles

[Correlation of Container Characteristic, Water-Container Draining Practice, and the Ownership Status of Residence with the Presence of *Aedes Sp* Larvae in Tembalang,](#)

E3S Web of Conferences 202, 12016 (2020)

Entomological Status Based on Vector Density Index and Transovarial Infection on *Aedes Sp.* Mosquito in Meteseh Village, Semarang City

Martini Martini^{1*}, Zufri Armen¹, Kusariana Nissa¹, Hestningsih Retno¹, Yuliawati Sri¹, Mawarni Atik² and Purwantisari Susiana³

¹ Epidemiologi and Tropical Disease, Faculty of Public Health, Diponegoro University, Indonesia

² Biostatistics Department, Faculty of Public Health,

By using this website, you agree that EDP Sciences may store web audience measurement cookies and, on some pages, cookies from social networks. [More information and setup](#)

* Corresponding author: tinihen65@yahoo.co.id

Abstract

Dengue Hemorrhagic Fever (DHF) is a disease caused by Dengue virus. In 2016, the number of DHF patients in areas of Health services of Rowosari was 247 cases, IR 289.6/100.000 populations and the highest number of the patients was from Meteseh Village. The most usual mechanism happened in the vertical transmission, transovarial infection, from adult mosquito to the egg. The study was conducted to describe of entomological status of *House Index* (HI), *Container Index* (CI), *Breteau Index* (BI), House index (HI), *Ovitrap Index* (OI) of larvae as well as transovarial infection in Aedes sp. The research method was descriptive method by conducting test to the entomology status of DHF incidence. Based on the survey in Meteseh sub-village (XVI), a result found that average House Index 8.99%, Container Index 2.88%, Breteau Index 16.40%, HI 8,99 Ovitrap Index 35.46% with the egg density at 1.023 eggs. The identified mosquitoes were 30, and from the identification result of Aedes sp., two Aedes species were found, 28 Aedes aegypti, and only 2 Aedes albopictus. The transovarial infection in Aedes sp. using ELISA method was found 6 mosquito samples which were positive of dengue virus, with the detail in neighborhood 01 (1 sample), neighborhood 02 (2 samples), neighborhood 03 (3 samples). DHF in Meteseh Sub village in Semarang City was probably happened because correlated with transovarial infection.

Key words: Entomology Status / Aedes sp / DHF / Transovarial infection

© The Authors, published by EDP Sciences, 2020



This is an Open Access article distributed under the terms of the [Creative Commons Attribution License 4.0](#), which permits unrestricted use, distribution, and

[Developing Aedes Albopictus as a Vector With Sterile Insect Technique \(SIT\) to Control Dengue in Semarang City](#)

E3S Web of Conferences 125, 16003 (2019)

[Efficacy of Insecticide Formulation of Organo Phosphate 5 Ec Mixture of Maltahion on Mosquito Aedes Aegypti](#)

E3S Web of Conferences 73, 06005 (2018)

[More](#)

Bookmarking



[Reader's services](#)

[Email-alert](#)

By using this website, you agree that EDP Sciences may store web audience measurement cookies and, on some pages, cookies from social networks. [More information and setup](#)

E3S Web of Conferences

eISSN: 2267-1242




[Mentions légales](#)

[Contacts](#)

[Privacy policy](#)



E3S Web of Conferences

COUNTRY	SUBJECT AREA AND CATEGORY	PUBLISHER	H-INDEX
<p>France</p>  <p>Universities and research institutions in France</p>	<p>Earth and Planetary Sciences</p> <p>Earth and Planetary Sciences (miscellaneous)</p> <p>Energy</p> <p>Energy (miscellaneous)</p> <p>Environmental Science</p> <p>Environmental Science (miscellaneous)</p>	EDP Sciences	14

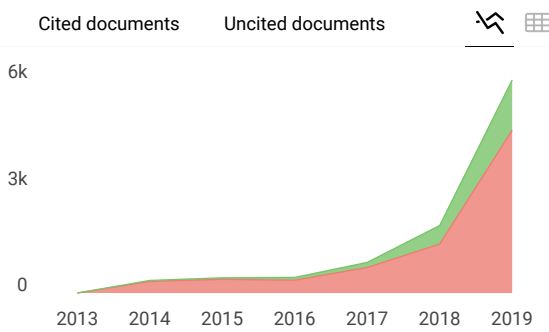
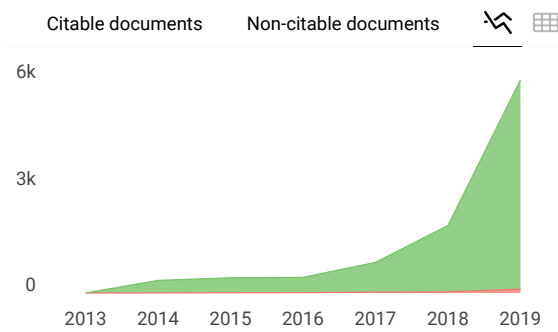
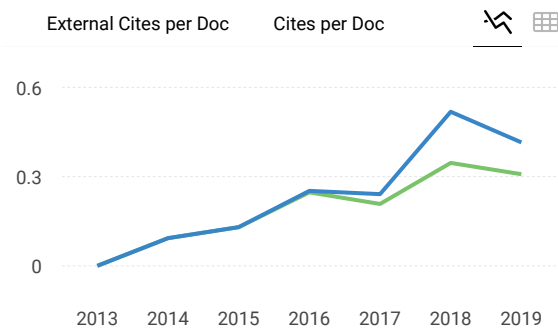
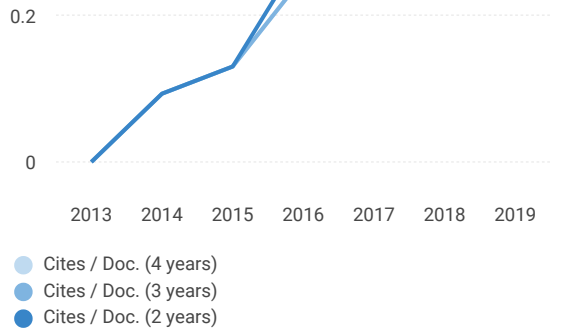
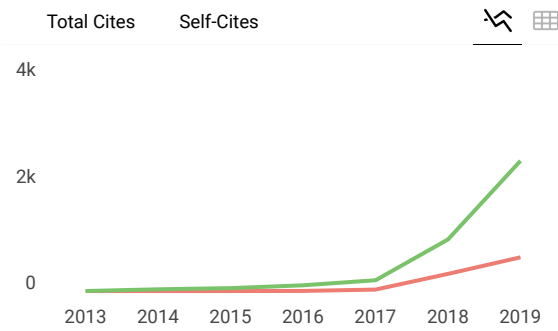
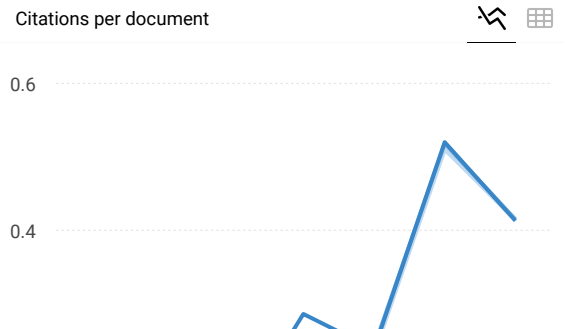
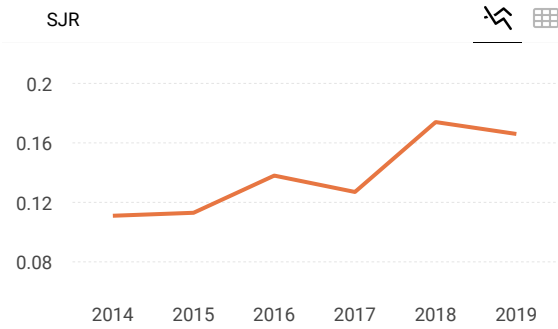
PUBLICATION TYPE	ISSN	COVERAGE	INFORMATION
Conferences and Proceedings	22671242	2013-2020	Homepage How to publish in this journal Contact

SCOPE

E3S Web of Conferences is an Open Access publication series dedicated to archiving conference proceedings in all areas related to Environment, Energy and Earth Sciences. The journal covers the technological and scientific aspects as well as social and economic matters. Major disciplines include: soil sciences, hydrology, oceanography, climatology, geology, geography, energy engineering (production, distribution and storage), renewable energy, sustainable development, natural resources management... E3S Web of Conferences offers a wide range of services from the organization of the submission of conference proceedings to the worldwide dissemination of the conference papers. It provides an efficient archiving solution, ensuring maximum exposure and wide indexing of scientific conference proceedings. E3S Web of Conferences

offers a wide range of services from the organization of the submission of conference proceedings to the worldwide dissemination of the conference papers. It provides an efficient archiving solution, ensuring maximum exposure and wide indexing of scientific conference proceedings. Proceedings are published under the scientific responsibility of the conference editors.

Join the conversation about this journal



Show this widget in your own website

Just copy the code below and paste within your html code:

```
<a href="https://www.scimaç"
```



Source details

E3S Web of Conferences

Scopus coverage years: from 2013 to Present

E-ISSN: 2267-1242

Subject area: Energy: General Energy Environmental Science: General Environmental Science Earth and Planetary Sciences: General Earth and Planetary Sciences

[View all documents >](#) [Save to source list](#) [Source Homepage](#)

CiteScore 2019 **0.4**

SJR 2019 **0.166**

SNIP 2019 **0.469**

[CiteScore](#) [CiteScore rank & trend](#) [Scopus content coverage](#)

i Improved CiteScore methodology ✕

CiteScore 2019 counts the citations received in 2016-2019 to articles, reviews, conference papers, book chapters and data papers published in 2016-2019, and divides this by the number of publications published in 2016-2019. [Learn more >](#)

CiteScore 2019

$$0.4 = \frac{4,213 \text{ Citations 2016 - 2019}}{10,927 \text{ Documents 2016 - 2019}}$$

Calculated on 06 May, 2020

CiteScoreTracker 2020

$$0.6 = \frac{10,827 \text{ Citations to date}}{18,914 \text{ Documents to date}}$$

Last updated on 07 February, 2021 • Updated monthly

CiteScore rank 2019

Category	Rank	Percentile
Energy		
General Energy	#52/63	18th
Environmental Science	#175/210	16th
General Environmental Science		

[View CiteScore methodology >](#) [CiteScore FAQ >](#) [Add CiteScore to your site](#)

About Scopus

- What is Scopus
- Content coverage
- Scopus blog
- Scopus API
- Privacy matters

Language

- 日本語に切り替える
- 切换到简体中文
- 切换到繁體中文
- Русский язык

Customer Service

- Help
- Contact us

By using this website, you agree that EDP Sciences may store web audience measurement cookies and, on some pages, cookies from social networks. [More information and setup](#)



[All issues](#) ▶ Volume 202 (2020)

◀ [Previous issue](#)

[Table of Contents](#)

[Next issue](#) ▶

Free Access to the whole issue

E3S Web of Conferences

Volume 202 (2020)

The 5th International Conference on Energy, Environmental and Information System (ICENIS 2020)

Semarang, Indonesia, August 12-13, 2020

B. Warsito, Sudarno and T. Triadi Putranto (Eds.)

Export the citation of the selected articles [Export](#)
[Select all](#)

OK

Open Access

About the conference

Published online: 10 November 2020

PDF (24.3 MB)

Open Access

Statement of Peer review

Published online: 10 November 2020

PDF (56.5 KB)

By using this website, you agree that EDP Sciences may store web audience measurement cookies and, on some pages, cookies from social networks. [More information and setup](#)

- | | |
|--|---|
| <ul style="list-style-type: none"> Environmental Policy, Planning and Education Modelling and Computer Application for Environment Pollution and Waste Management Green Infrastructure and Resilience Socio-Culture and Environment Renewable Energy Development | <ul style="list-style-type: none"> Energy and Instruments Public Health and Epidemiology Industrial and Health Information System Decision Support System Smart Information System Information System for Economic and Business |
|--|---|

- *Keynote Speaker*

[Open Access](#)

Faith and development: The role of local religious organization in community change in Papua 01001

Elco van Burg

Published online: 10 November 2020

DOI: <https://doi.org/10.1051/e3sconf/202020201001>

[PDF \(257.3 KB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

[Open Access](#)

A Geomorphic Framework for the Analysis of Microplastics in Riverine Sediments 01002

Jerry Miller and Suzanne M. Orbock Miller

Published online: 10 November 2020

DOI: <https://doi.org/10.1051/e3sconf/202020201002>

[PDF \(765.0 KB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

OK

[Open Access](#)

Life Cycle Thinking for Sustainable Consumption and Production towards a Circular Economy 01003

Shabbir H. Gheewala

Published online: 10 November 2020

DOI: <https://doi.org/10.1051/e3sconf/202020201003>

[PDF \(696.6 KB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

[Open Access](#)

Wetland management: preparing for climate and coastal change using adaptation pathways 01004

Peter Gell

Published online: 10 November 2020

By using this website, you agree that EDP Sciences may store web audience measurement cookies and, on some pages, cookies from social networks. [More information and setup](#)

Open Access

Sustainable Development Goals through Energy cooperation in ASEAN 01005

N. Agya Utama, Akbar Swandaru, Hoy-Yen Chan and Nadilah Shani

Published online: 10 November 2020

DOI: <https://doi.org/10.1051/e3sconf/202020201005>

[PDF \(724.5 KB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

Open Access

Oil palm and banana root colonization potential of locally isolated nitrogen-fixing and phosphate-solubilizing bacteria 01006

Then Kek Hoe, Mohamad Roji Sarmidi, Sharifah Shahrul Rabiah Syed Alwee and Zainul Akmar Zakaria

Published online: 10 November 2020

DOI: <https://doi.org/10.1051/e3sconf/202020201006>

[PDF \(190.6 KB\)](#) | [NASA ADS Abstract Service](#)

Open Access

Every Drop of Water Footprint Counts For Humanity 01007

Liew Kian Heng and Liew Yuqiang

Published online: 10 November 2020

DOI: <https://doi.org/10.1051/e3sconf/202020201007>

[PDF \(1.381 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

Open Access

COVID-19: challenges and opportunities in Indonesia health sector 01008

Barokah Sri Utami and Pradip Iramdhan Aliyansah

Published online: 10 November 2020

DOI: <https://doi.org/10.1051/e3sconf/202020201008>

[PDF \(2.720 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

Open Access

Trends in domestic energy use reduction and private renewable energy production 01009

Patrick van Schijndel

Published online: 10 November 2020

DOI: <https://doi.org/10.1051/e3sconf/202020201009>

[PDF \(168.2 KB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

By using this website, you agree that EDP Sciences may store web audience measurement cookies and, on some pages, cookies from social networks. [More information and setup](#)

Co-management in mangrove rehabilitation at tingkat regency 02001

A.Hadian Pratama Hamzah, Sutrisno Anggoro and Sri Puryono

Published online: 10 November 2020

DOI: <https://doi.org/10.1051/e3sconf/202020202001>

[PDF \(573.6 KB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

Open Access

Identification and conversion rate of rice field in Semarang year 2000-2019 02002

Rossi Prabowo, Aziz Nur Bambang, Sudarno and Agus Rachmad Nurlette

Published online: 10 November 2020

DOI: <https://doi.org/10.1051/e3sconf/202020202002>

[PDF \(1.223 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

Open Access

Fishing pattern and environmentally friendly analysis on mud crab (*Scylla spp.*) fishery in Mojo mangrove ecosystem, Pemalang Regency, Central Java, Indonesia 02003

Trisnani Dwi Hapsari, Azis Nur Bambang, Abdul Ghofar and Aristi Dian Purnama Fitri

Published online: 10 November 2020

DOI: <https://doi.org/10.1051/e3sconf/202020202003>

[PDF \(339.1 KB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

Open Access

Gentrification Impact to the Community's Quality of Life in Semarang Old Town 02004

Dewi Santy Paulla and Kurniawati Wakhidah

Published online: 10 November 2020

DOI: <https://doi.org/10.1051/e3sconf/202020202004>

[PDF \(8.363 MB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

Open Access

Development of Food Agriculture Based on Superiority Cultivation Area in Tanjung Api-Api, Banyuasin District 02005

Syuhada A. Umar, M. Edi Armanto, Ari Siswanto and Muhammad Yazid

Published online: 10 November 2020

DOI: <https://doi.org/10.1051/e3sconf/202020202005>

[PDF \(714.7 KB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

Open Access

By using this website, you agree that EDP Sciences may store web audience measurement cookies and, on some pages, cookies from social networks. [More information and setup](#)

Open Access

Perceived Stigma as a Risk Factor for Delay in Seeking Treatment of Leprosy Patients: A Cross-Sectional Study in Tuban Regency 12011

Zulfah Fitria Fajriahadun Ni'mah, Nissa Kusariana and Praba Ginandjar

Published online: 10 November 2020

DOI: <https://doi.org/10.1051/e3sconf/202020212011>

[PDF \(197.1 KB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

Open Access

Cost Estimates Related to COVID-19 Treatment in Indonesia: What Should be Concerned? 12012

Sutopo Patria Jati, Budiyo, Rani Tiyas Budiyantri, Suhartono, Praba Ginandjar, Ayun Sariatmi and Nurhasmadiar Nandini

Published online: 10 November 2020

DOI: <https://doi.org/10.1051/e3sconf/202020212012>

[PDF \(202.6 KB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

Open Access

Case Overview of Patients under Surveillance of COVID-19 in Central Java Province, Indonesia 12013

Dwi Sutiningsih, Aufiena Nur Ayu Merzistya, Yulianto Prabowo, Aris Sugiharto and Mufti Agung Wibowo

Published online: 10 November 2020

DOI: <https://doi.org/10.1051/e3sconf/202020212013>

[PDF \(361.0 KB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

OK

Open Access

Epidemiologic and Clinical Characteristics of Patients with Covid-19 in Central Java, Indonesia 12014

Dwi Sutiningsih, Vilianti Eka Fitri Rahatina, Yulianto Prabowo, Aris Haryanto and Mufti Agung Wibowo

Published online: 10 November 2020

DOI: <https://doi.org/10.1051/e3sconf/202020212014>

[PDF \(542.8 KB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

Open Access

Safety and Health Management Commitment and Implementation of COVID-19 Prevention at Manufacture Workplace Environment 12015

Priska Dantjie, Yuliani Setyaningsih and Nurjazuli

By using this website, you agree that EDP Sciences may store web audience measurement cookies and, on some pages, cookies from social networks. [More information and setup](#)

Open Access

Entomological Status Based on Vector Density Index and Transovarial Infection on *Aedes Sp.* Mosquito in Meteseh Village, Semarang City 12016

Martini Martini, Zufri Armen, Kusariana Nissa, Hestningsih Retno, Yuliawati Sri, Mawarni Atik and Purwantisari Susiana

Published online: 10 November 2020

DOI: <https://doi.org/10.1051/e3sconf/202020212016>

[PDF \(273.6 KB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

Open Access

Modelling Generalized Poisson Regression in the Number of Dengue Hemorrhagic Fever (DHF) in East Nusa Tenggara 12017

Alan Prahutama, Dwi Ispriyanti and Budi Warsito

Published online: 10 November 2020

DOI: <https://doi.org/10.1051/e3sconf/202020212017>

[PDF \(320.6 KB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

Open Access

The Relationship Between Heat Stress and Physical Workload with Worker's Hydration Status in Tirtonadi Bus Station Surakarta 12018

Iwan Suryadi, Istar Yuliadi, Seviana Rinawati, Siti Rachmawati and Bekt Nugraheni

Published online: 10 November 2020

DOI: <https://doi.org/10.1051/e3sconf/202020212018>

[PDF \(206.6 KB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

OK

Open Access

Bioadsorption of Modified Empty Fruit Bunch Palm Oil for Reducing its 3-MCPD Compounds using Response Surface Methodology 12019

Mohamad Endy Yulianto, Rizka Amalia, Wahyuningsih, Sutrisno and Yusuf Arya Yudanto

Published online: 10 November 2020

DOI: <https://doi.org/10.1051/e3sconf/202020212019>

[PDF \(891.4 KB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

Open Access

Faecal contamination in groundwater and its association with population density: a study in coastal areas of Semarang 12020

Dina Rahayuning Pangestuti, Thomas Triadi Putranto and Novie Susanto

Published online: 10 November 2020

By using this website, you agree that EDP Sciences may store web audience measurement cookies and, on some pages, cookies from social networks. [More information and setup](#)

Open Access

The effect of gender on the exclusive breastfeeding practices in the first month of life 12021

Naintina Lisnawati, Dina Rahayuning Pangestuti and Wardatus Zahroh

Published online: 10 November 2020

DOI: <https://doi.org/10.1051/e3sconf/202020212021>

PDF (284.3 KB) | [References](#) | [NASA ADS Abstract Service](#)

Open Access

Conjoint Analysis for Evaluation of Customer's Preference of Analgesic Generic Medicines under Non-proprietary Names 12022

Aries Susanty, Bambang Purwanggono, Nia Budi Puspitasari and Chellsy Allison

Published online: 10 November 2020

DOI: <https://doi.org/10.1051/e3sconf/202020212022>

PDF (459.4 KB) | [References](#) | [NASA ADS Abstract Service](#)

Open Access

Stability Analysis of Tuberculosis Epidemic Model with Saturated Infection Force 12023

Sutimin, Ratna Herdiana, R. Heri Soelistyo U and A. Henindya Permatasari

Published online: 10 November 2020

DOI: <https://doi.org/10.1051/e3sconf/202020212023>

PDF (1.001 MB) | [References](#) | [NASA ADS Abstract Service](#)

Open Access

The Relationship between Social Support and The Psychological Well-being of Students Who Work Part-time 12024

Tubagus M Nashich and Listyati S Palupi

Published online: 10 November 2020

DOI: <https://doi.org/10.1051/e3sconf/202020212024>

PDF (176.3 KB) | [References](#) | [NASA ADS Abstract Service](#)

Open Access

A Relationship between Resilience and Psychological Preparedness for Disaster among Airlangga University Health Faculty Students 12025

Listyati Setyo Palupi and Muhammad Noor Rahman Himawan

Published online: 10 November 2020

DOI: <https://doi.org/10.1051/e3sconf/202020212025>

PDF (216.1 KB) | [References](#) | [NASA ADS Abstract Service](#)

By using this website, you agree that EDP Sciences may store web audience measurement cookies and, on some pages, cookies from social networks. [More information and setup](#)

Indonesian Rural to Urban Migrant University Students in Universitas Airlangga 12026

Mahda P. Rachmadhani and Listyati Setyo Palupi

Published online: 10 November 2020

DOI: <https://doi.org/10.1051/e3sconf/202020212026>

[PDF \(208.3 KB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

Open Access

Relationship between Social Support and Psychological Well-Being of the Final Year Students 12027

Muji R. Saputra and Listyati Setyo Palupi

Published online: 10 November 2020

DOI: <https://doi.org/10.1051/e3sconf/202020212027>

[PDF \(225.1 KB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

Open Access

Epidemiology of non-exclusive breastfeeding behavior (study in the working area of primary health care Margorejo Pati regency) 12028

Emawati Fatima, Lintang Dian Saraswati, Praba Ginandjar and Dwi Sutiningsih

Published online: 10 November 2020

DOI: <https://doi.org/10.1051/e3sconf/202020212028>

[PDF \(213.0 KB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

Open Access

Exploring Adolescent Characteristics, Experiences and Socio-environmental Responses on Premarital Pregnancy in Central Java Indonesia 12029

Zahroh Shaluhiah, Antono Suryoputro, Aulia Novelira and Ratih Indraswari

Published online: 10 November 2020

DOI: <https://doi.org/10.1051/e3sconf/202020212029>

[PDF \(323.7 KB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

Open Access

Exploring Adolescent Characteristics, Experiences and Socio-environmental Responses on Premarital Pregnancy in Central Java Indonesia 12030

Zahroh Shaluhiah, Antono Suryoputro, Aulia Novelira and Ratih Indraswari

Published online: 10 November 2020

DOI: <https://doi.org/10.1051/e3sconf/202020212030>

[PDF \(323.7 KB\)](#) | [References](#) | [NASA ADS Abstract Service](#)

OK