

Vol. 4 No. 1 (2025): Applied Science and Technology Research Journal

The articles in this issue were authored/co-authored by 23 authors from three countries (Indonesia, Nigeria, and Malaysia).

DOI: <https://doi.org/10.31316/astro.v4i1>

PUBLISHED: 2025-05-30

ARTICLES

System Monitoring Consumption Household Electrical Energy IOT Based

Iqbal Jid Astrawarna (Universitas PGRI Yogyakarta, Indonesia)
R. Hafid Hardyanto (Universitas PGRI Yogyakarta, Indonesia)
Pranemusa Wahyu Ciptadi (Universitas PGRI Yogyakarta, Indonesia)
Mohd Nasrun Mohd Nawi (University Utara Malaysia, Malaysia)

Citations: ?
1-7

Abstract View : 26

DOI : [10.31316/astro.v4i1.7810](https://doi.org/10.31316/astro.v4i1.7810)

PDF ENGLISH download: 21

[PDF ENGLISH](#)

Design System Monitoring Quality Air Internet Of Things Based Indoor

Deri Fania Damayanti (Universitas Proklamasi 45, Indonesia)
Ardy Wicaksono (Universitas Proklamasi 45, Indonesia)
Selvi Dwi Hartiyanti (Universitas Proklamasi 45, Indonesia)
Sapriani Gustina (Universitas Proklamasi 45, Indonesia)

Citations: ?
8-13

Abstract View : 19

DOI : [10.31316/astro.v4i1.7824](https://doi.org/10.31316/astro.v4i1.7824)

PDF ENGLISH download: 14

[PDF ENGLISH](#)

The Ease of Data Sales Visualization Using The Interactive Tableau Dashboard to Support Decision Making In MSMEs

Rafni Derajuan (Universitas PGRI Yogyakarta, Indonesia)
Ratna Purnama Sari (Universitas PGRI Yogyakarta, Indonesia)
Delang Setyo Budiarto (Universitas PGRI Yogyakarta, Indonesia)

Citations: ?
14-20

Abstract View : 15

DOI : [10.31316/astro.v4i1.7780](https://doi.org/10.31316/astro.v4i1.7780)

PDF ENGLISH download: 12

[PDF ENGLISH](#)

Automation of Watering Systems in Gardens Using Programmable Logic Controller (PLC)

Theofilus Bayu Dwinugroho (Universitas PGRI Yogyakarta, Indonesia)
Yaning Tri Hapsari (Universitas PGRI Yogyakarta, Indonesia)
Pradipta Arya Pribadi (Universitas PGRI Yogyakarta, Indonesia)

Citations: ?
21-30

Abstract View : 25

PDF ENGLISH download: 34

[Editorial Team](#)
[Focus and Scope](#)
[Publication Ethics](#)
[Author Guidelines](#)
[Copyright Notice](#)
[Peer Review Process](#)
[Plagiarism Policy](#)
[Author\(s\) Fee](#)
[Open Access Policy](#)
[Visitor Statistic](#)
[Archiving](#)

ARTICLE TEMPLATE



ONLINE ISSN

ISSN 2963-6698



COVER



INDEXING

Automation of Watering Systems in Gardens Using Programmable Logic Controller (PLC)

Theofilus Bayu Dwirugroho (Universitas PGRI Yogyakarta, Indonesia)

Yaning Tri Hapsari (Universitas PGRI Yogyakarta, Indonesia)

Pradipta Arya Pribadi (Universitas PGRI Yogyakarta, Indonesia)

Citations ?

21-30

Abstract View : 25

DOI : [10.31318/astro.v4i1.7787](https://doi.org/10.31318/astro.v4i1.7787)

PDF ENGLISH download: 34

[PDF ENGLISH](#)

Development Of A Decision Support System Based On Rule-Based Systems For Determining Marketing Strategies And Superior Products at Tombo Ngelih Cafe

Yogi Firdiyastomo (Universitas PGRI Yogyakarta, Indonesia)

Setia Wardani (Universitas PGRI Yogyakarta, Indonesia)

Rianto (Universitas PGRI Yogyakarta, Indonesia)

Citations ?

31-42

Abstract View : 20

DOI : [10.31318/astro.v4i1.7851](https://doi.org/10.31318/astro.v4i1.7851)

PDF ENGLISH download: 18

[PDF ENGLISH](#)

IoT Implementation for Adjustment Automatic pH and TDS/EC Parameters on the System Hydroponics Lettuce

Fanes Setiawan (Universitas Amikom Yogyakarta, Indonesia)

Baru Santoso (Universitas Amikom Yogyakarta, Indonesia)

Citations ?

43-53

Abstract View : 80

DOI : [10.31318/astro.v4i1.7878](https://doi.org/10.31318/astro.v4i1.7878)

PDF ENGLISH download: 59

[PDF ENGLISH](#)

Antibacterial Activity of Piliostigma thonningii Leaf Extract against Gram-Negative Bacteria Isolated from Urine Samples

Shamsudeen Muhammad Muhammad (Kebbi State University of Science and Technology, Nigeria)

Murtala Saadu (Kebbi State University of Science and Technology, Nigeria)

Isah Musa (Kebbi State University of Science and Technology, Nigeria)

Tittlope Alshat Motunrayo (Kebbi State University of Science and Technology, Nigeria)

Citations ?

54-63

Abstract View : 21

DOI : [10.31318/astro.v4i1.7925](https://doi.org/10.31318/astro.v4i1.7925)

PDF ENGLISH download: 34

[PDF ENGLISH](#)

INDEXING



VISITORS



TOOLS

