

# Departemen Teknik Elektro

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Filter by publication year range:2022 to 2026

## Summary metrics

Entity: Departemen Teknik Elektro · Within: All subject areas (ASJC) · Year range: 2022 to 2026 · Data source: Scopus, up to 27 May 2026

116

Scholarly Output 

34.5% Open Access

9 ▼

Researchers

0.84

Field-Weighted Citation Impact



0.34

Field-Weighted  
Citation Impact  
Median

415

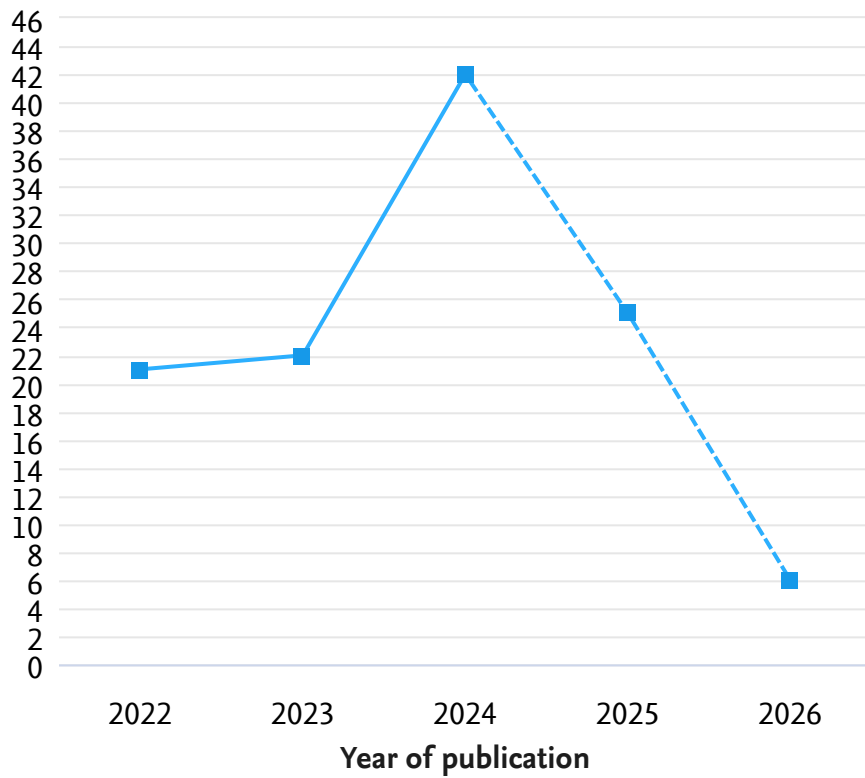
Citation Count 

3.6

Citations per Publication 

## Scholarly Output

Entity: Departemen Teknik Elektro · Within: All subject areas (ASJC) · Year range: 2022 to 2026 · Data source: Scopus, up to 27 May 2026



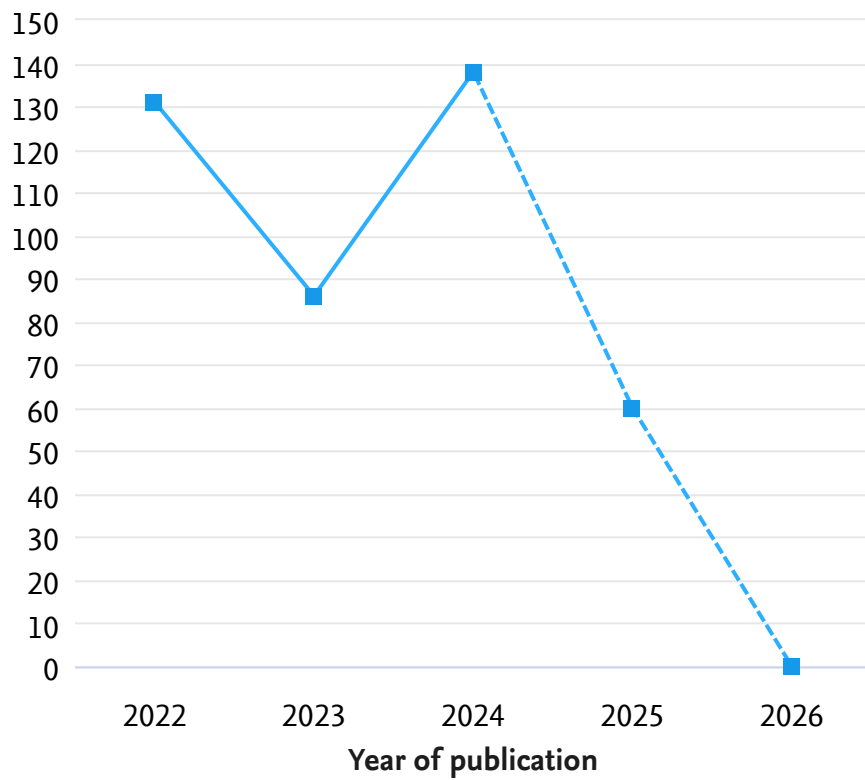
▨ Incomplete year

# 116

number of publications by authors  
in Departemen Teknik Elektro

## Citation Count

Entity: Departemen Teknik Elektro · Within: All subject areas (ASJC) · Year range: 2022 to 2026 · Data source: Scopus, up to 27 May 2026



# 415

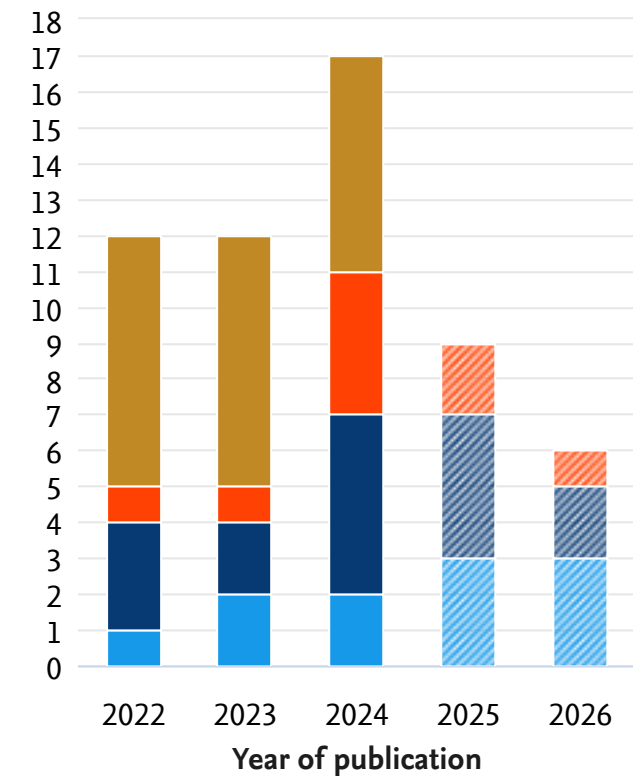
number of citations received by publications in Departemen Teknik Elektro

▨ Incomplete year

## Publications by Journal quartile

Entity: Departemen Teknik Elektro · Within: All subject areas (ASJC) · Year range: 2022 to 2026 · Data source: Scopus, up to 27 May 2026

### Share of publications per Journal quartile by CiteScore Percentile



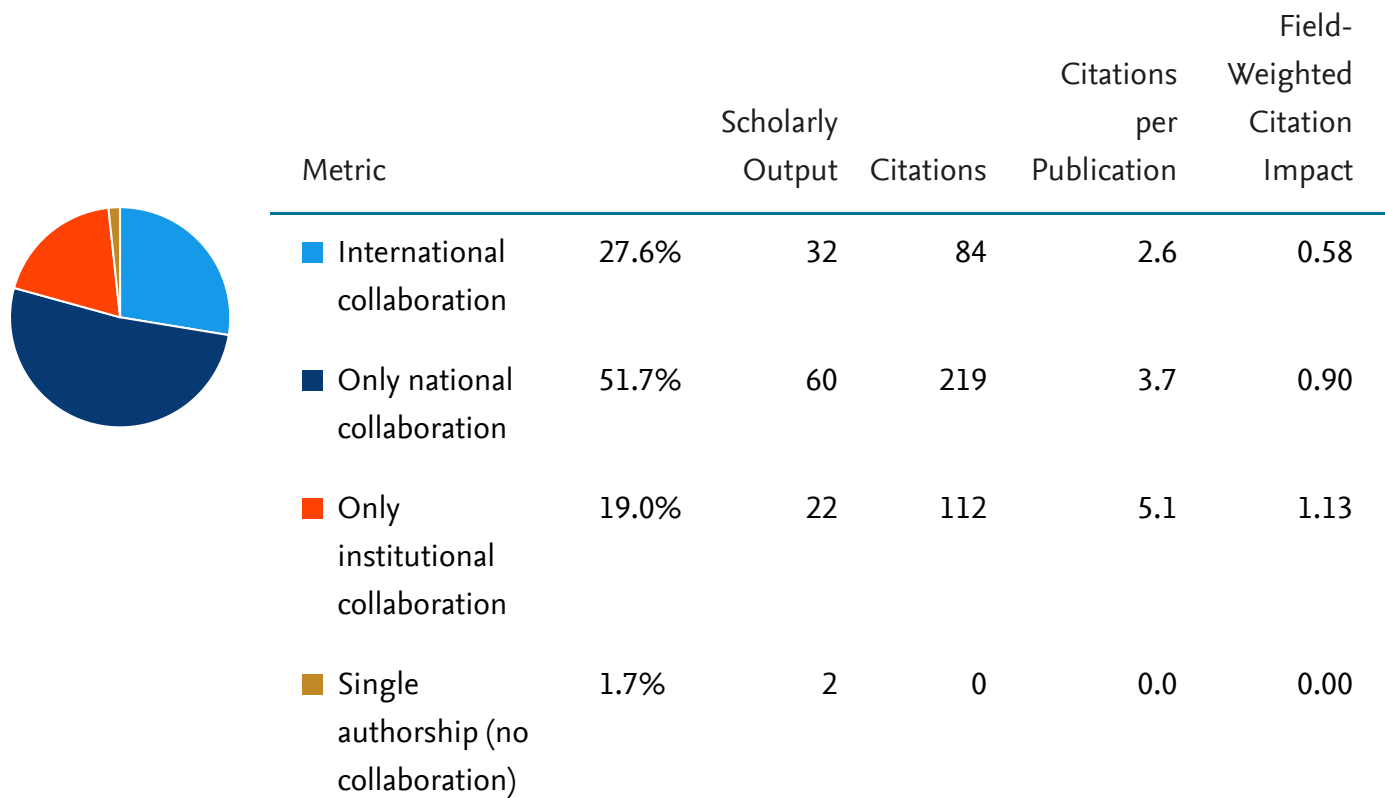
▨ Incomplete year

| Quartiles          | Publications | Publication share (%) |
|--------------------|--------------|-----------------------|
| Q1 (top 25%)       | 11           | 19.6                  |
| Q2 (26% - 50%)     | 16           | 28.6                  |
| Q3 (51% - 75%)     | 9            | 16.1                  |
| Q4 (76% - 100%)    | 20           | 35.7                  |
| Cumulative shares  | Publications | Publication share (%) |
| Q1 to Q2 (top 50%) | 27           | 48.2                  |
| Q1 to Q3 (top 75%) | 36           | 64.3                  |

## Geographical Collaboration - Overall

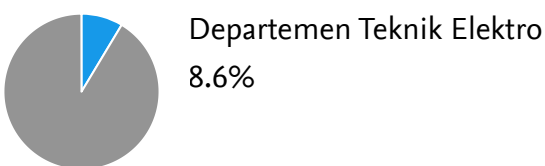
Entity: Departemen Teknik Elektro · Within: All subject areas (ASJC) · Year range: 2022 to 2026 · Data source: Scopus, up to 27 May 2026

International, national and institutional collaboration by in Departemen Teknik Elektro in the selected year range.



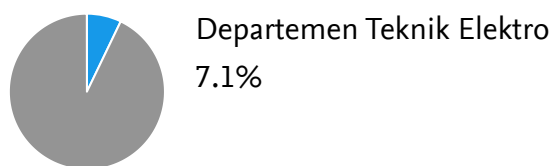
## Outputs in Top 10% Citation Percentiles summary

Entity: Departemen Teknik Elektro · Within: All subject areas (ASJC) · Year range: 2022 to 2026 · Data source: Scopus, up to 27 May 2026



## Publications in Top 10% Journal Percentiles by CiteScore Percentile

Entity: Departemen Teknik Elektro · Within: All subject areas (ASJC) · Year range: 2022 to 2026 · Data source: Scopus, up to 27 May 2026



### International Collaboration summary

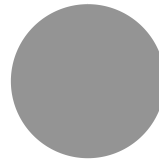
Entity: Departemen Teknik Elektro · Within: All subject areas (ASJC) · Year range: 2022 to 2026 · Data source: Scopus, up to 27 May 2026



Departemen Teknik Elektro  
27.6%

### Academic-Corporate Collaboration summary

Entity: Departemen Teknik Elektro · Within: All subject areas (ASJC) · Year range: 2022 to 2026 · Data source: Scopus, up to 27 May 2026



Departemen Teknik Elektro  
0.0%

## Publications with Highest FWCI

Entity: Departemen Teknik Elektro · Within: All subject areas (ASJC) · Year range: 2022 to 2026 · Data source: Scopus, up to 27 May 2026










| Publication  | Citations | Field-Weighted Citation Impact |
|--|-----------|--------------------------------|
| <p>Precision blood pressure prediction leveraging Photoplethysmograph signals using Support Vector Regression.<br/>Turnip, A., Taufik, M., Kusumandari, D.E.<br/>(2025) Egyptian Informatics Journal, 29.</p>  | 26        | 8.00                           |
| <p>Autonomous Medical Robot Trajectory Planning with Local Planner Time Elastic Band Algorithm.<br/>Turnip, A., Faridhan, M.A., Wibawa, B.M. and 1 more<br/>(2025) Electronics (Switzerland), 14 (1).</p>  | 24        | 7.50                           |
| <p>Autonomous Drone Technology based Random Forest Classifier for Revolutionizing Agriculture.<br/>Dasipah, E., Akbari, G.F., Syafei, N.S. and 3 more<br/>(2024) International Conference on Artificial Intelligence and Mechatronics System, AIMS 2024.</p> | 9         | 5.29                           |
| <p>Classification of ECG Signals using Decision Trees and Linear Discriminant Analysis.<br/>Turnip, A., Hidayat, D., Hamonangan, J.G. and 6 more<br/>(2024) International Conference on Artificial Intelligence and Mechatronics System, AIMS 2024.</p>      | 8         | 4.70                           |

## Publications with Highest FWCI

| Publication   | Citations | Field-Weighted Citation Impact |
|---|-----------|--------------------------------|
| Sprayer System on Autonomous Farming Drone Based on Decision Tree.<br>Sitompul, E., Gubarda, M.R., Sihombing, P. and 2 more<br>(2024) International Conference on Artificial Intelligence and Mechatronics System, AIMS 2024. | 7         | 4.11                           |

## Topic Clusters

Entity: Departemen Teknik Elektro · Within: All subject areas (ASJC) · Year range: 2022 to 2026 · Data source: Scopus, up to 27 May 2026 · Filters: Top 10 Topic Clusters by Scholarly Output

| Topic Cluster   | By this Group of Researchers |                                | Worldwide  |
|---|------------------------------|--------------------------------|--|
|   | Scholarly Output             | Field-Weighted Citation Impact | Prominence percentile  |
| Brain-Computer Interface Technologies<br>TC.476                         | 17                           | 0.85                           | 90.255<br>    |
| Innovative Approaches in ECG Signal Processing and Monitoring<br>TC.731 | 9                            | 0.73                           | 71.615<br>    |
| COVID-19, Its Impact, and Vaccination<br>TC.1                           | 7                            | 1.40                           | 99.935<br>    |
| IoT Integration for Smart Agriculture and Healthcare<br>TC.762          | 7                            | 1.61                           | 91.236<br>  |
| Image Segmentation, Deep Neural Networks and Object Detection<br>TC.0   | 3                            | 0.39                           | 100.000<br> |
| Biometric Recognition Systems for Enhanced Security<br>TC.121           | 3                            | 0.23                           | 84.696<br>  |
| Electroencephalography and Temporal Lobe Epilepsy Insights<br>TC.292    | 3                            | 0.00                           | 69.850<br>  |
| Herbicide Resistance and Weed Management Innovations<br>TC.595          | 3                            | 2.82                           | 77.436<br>  |
| Robotic Systems for Dynamic Environment Navigation<br>TC.601            | 3                            | 0.12                           | 71.877<br>  |
| Software Engineering Innovations in Open Source Development<br>TC.50    | 2                            | 1.93                           | 89.209<br>  |

## Researchers

Entity: Departemen Teknik Elektro · Within: All subject areas (ASJC) · Year range: 2022 to 2026 · Data source: Scopus, up to 27 May 2026

|    | Name                  | Scholarly Output | Most recent publication | Citations | <i>h</i> -index |
|----|-----------------------|------------------|-------------------------|-----------|-----------------|
| 1. | Turnip, Arjon         | 86               | 2026                    | 286       | 19              |
| 2. | Hidayat, Darmawan     | 26               | 2026                    | 153       | 12              |
| 3. | Taufik, Mohammad      | 25               | 2026                    | 94        | 8               |
| 4. | Trisanto, Agus        | 15               | 2026                    | 26        | 5               |
| 5. | Syafei, Nendi Suhendi | 13               | 2024                    | 38        | 6               |
| 6. | Rohadi, Nanang        | 10               | 2025                    | 15        | 4               |
| 7. | Novita, Dessy         | 9                | 2025                    | 51        | 6               |
| 8. | Emilliano             | 6                | 2025                    | 5         | 3               |
| 9. | Wibawa, Bambang Mukti | 4                | 2025                    | 36        | 7               |