

# Departemen Matematika

Departemen Matematika

Filter by publication year range: 2022 to 2026

## Summary metrics

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

339

Scholarly Output 

77.0% Open Access

27 ▼

Researchers

0.74

Field-Weighted Citation Impact



0.32

Field-Weighted  
Citation Impact  
Median

1,740

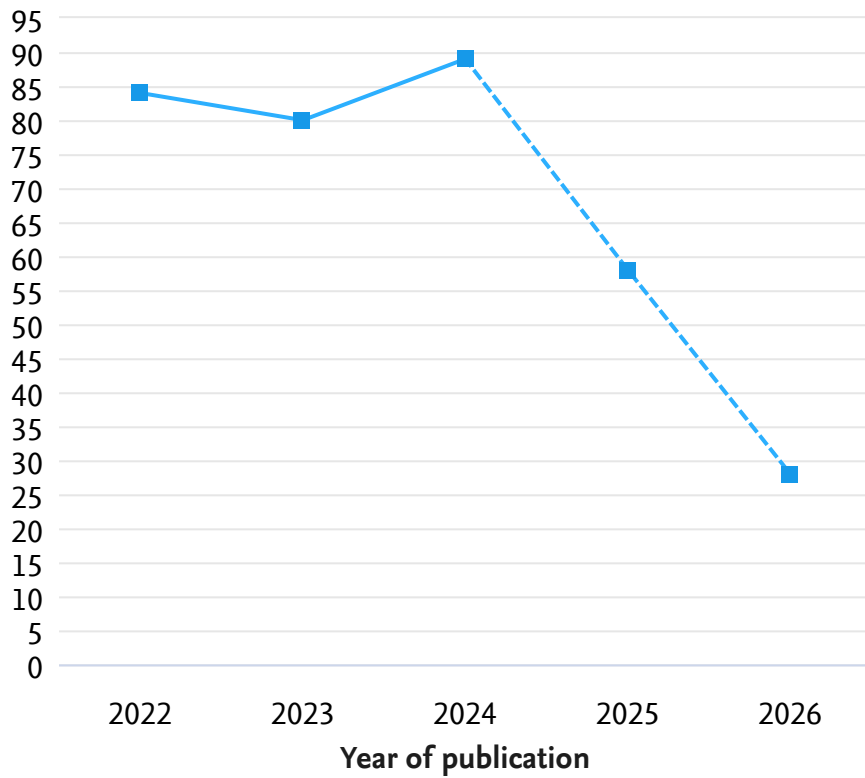
Citation Count 

5.1

Citations per Publication 

## Scholarly Output

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



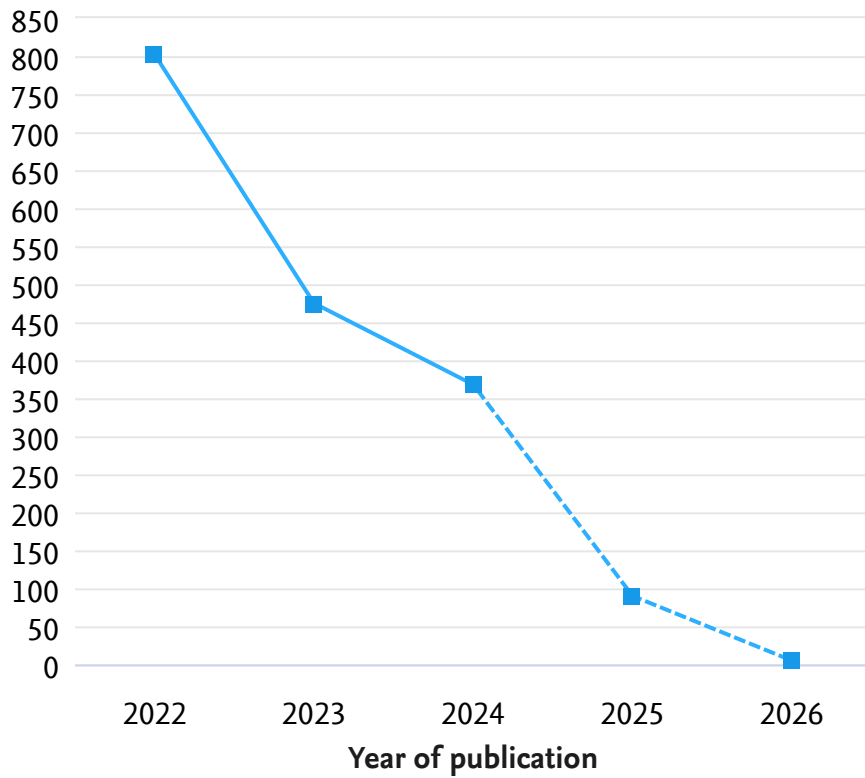
339

number of publications by authors  
in Departemen Matematika

▨ Incomplete year

## Citation Count

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



1,740

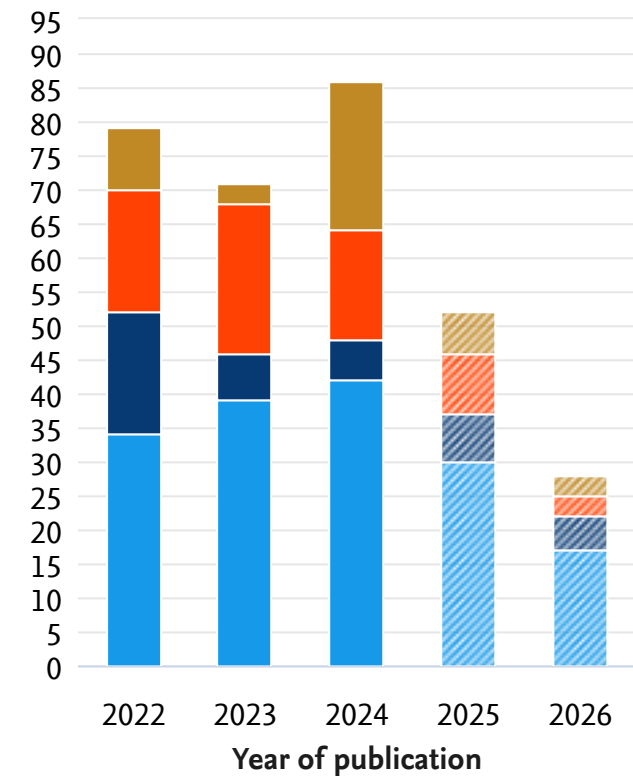
number of citations received by publications in Departemen Matematika

▨ Incomplete year

## Publications by Journal quartile

Entity: Departemen Matematika · 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



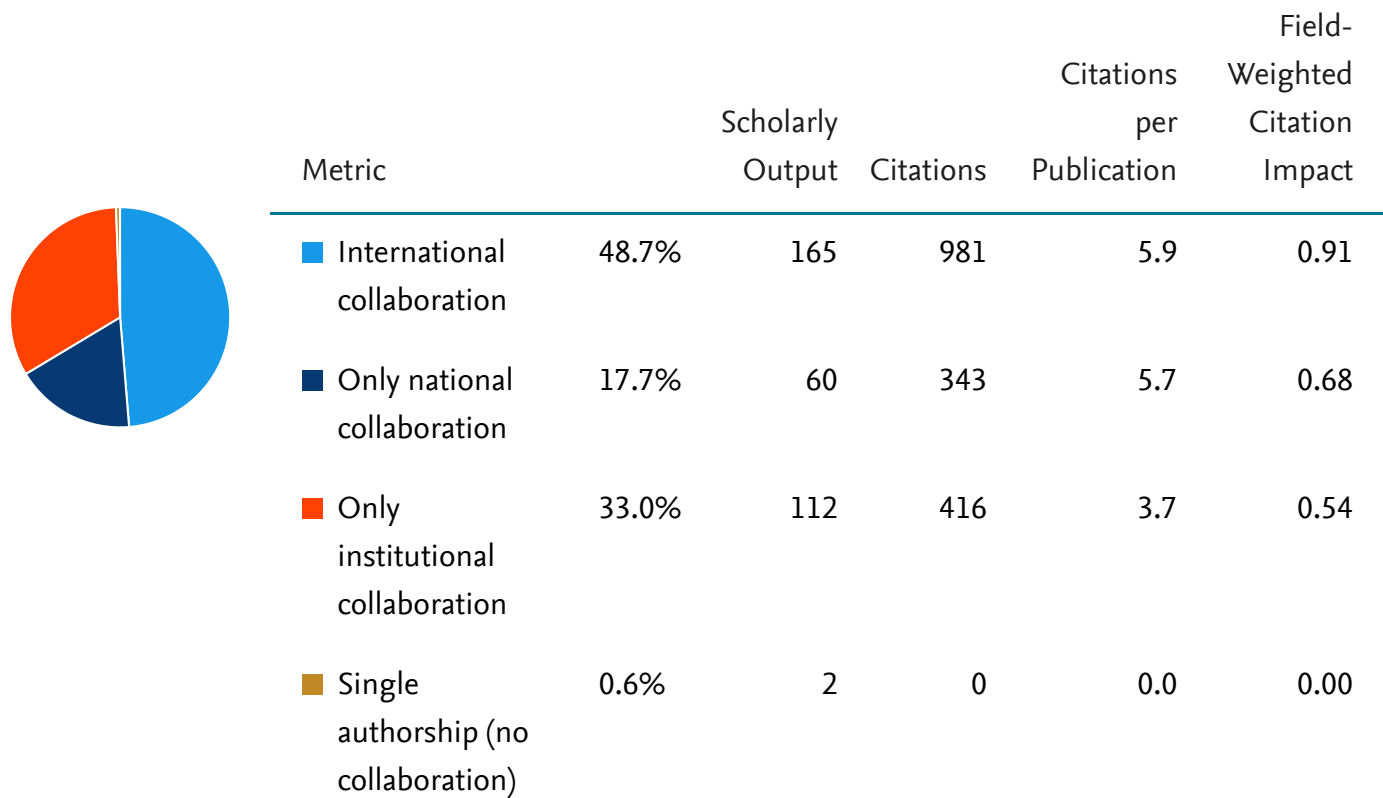
▨ Incomplete year

Quartiles	Publications	Publication share (%)
Q1 (top 25%)	162	51.3
Q2 (26% - 50%)	43	13.6
Q3 (51% - 75%)	68	21.5
Q4 (76% - 100%)	43	13.6
Cumulative shares	Publications	Publication share (%)
Q1 to Q2 (top 50%)	205	64.9
Q1 to Q3 (top 75%)	273	86.4

## Geographical Collaboration - Overall

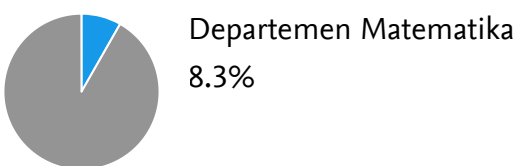
Entity: Departemen Matematika · Within: All subject areas (ASJC) · Year range: 2022 to 2026 · Data source: Scopus, up to 27 May 2026

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



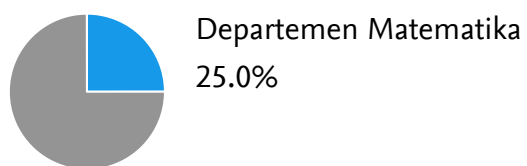
## Outputs in Top 10% Citation Percentiles summary

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



### International Collaboration summary

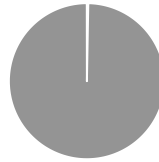
Entity: Departemen Matematika · Within: All subject areas (ASJC) · Year range: 2022 to 2026 · Data source: Scopus, up to 27 May 2026



Departemen Matematika  
48.7%

### Academic-Corporate Collaboration summary

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



Departemen Matematika  
0.3%

### Publications with Highest FWCI

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










Publication	Citations	Field-Weighted Citation Impact
Investigation of the hyperchaos and control in the fractional order financial system with profit margin. Johansyah, M.D., Sambas, A., Qureshi, S. and 4 more (2024) Partial Differential Equations in Applied Mathematics, 9.	42	11.46
A new family of hybrid three-term conjugate gradient method for unconstrained optimization with application to image restoration and portfolio selection. Malik, M., Sulaiman, I.M., Abubakar, A.B. and 2 more (2023) AIMS Mathematics, 8 (1), pp. 1-28.	36	9.05
Autonomous Medical Robot Trajectory Planning with Local Planner Time Elastic Band Algorithm. Turnip, A., Faridhan, M.A., Wibawa, B.M. and 1 more (2025) Electronics (Switzerland), 14 (1).	24	7.50

## Publications with Highest FWCI


Publication	Citations	Field-Weighted Citation Impact
<p>An Integrated Weighted Fuzzy N-Soft Set–CODAS Framework for Decision-Making in Circular Economy-Based Waste Management Supporting the Blue Economy: A Case Study of the Citarum River Basin, Indonesia. Carnia, E., Saputra, M.P.A., Mashadi and 5 more (2026) Mathematics, 14 (2).</p>	1	6.14
<p>A mathematical COVID-19 model considering asymptomatic and symptomatic classes with waning immunity. Anggriani, N., Ndi, M.Z., Amelia, R. and 2 more (2022) Alexandria Engineering Journal, 61 (1), pp. 113-124.</p>	72	5.98

## Topic Clusters

Entity: Departemen Matematika · 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
Mathematical Models in Disease Dynamics and Control TC.751	37	0.92	53.041 
Dynamics of Chaotic Systems and Synchronization TC.578	22	1.95	47.417 
Fractional Calculus Applications in Differential Equations TC.88	17	0.89	83.061 
Stochastic Models for Pricing and Risk Management TC.840	17	0.61	37.933 
Machine Learning Applications in Transport and Commerce TC.518	16	0.49	93.918 
Risk Management and Optimization in Financial Markets TC.1066	14	1.02	70.242 
Fuzzy Logic Applications in Decision-Making Models TC.162	12	1.05	89.012 
COVID-19, Its Impact, and Vaccination TC.1	9	0.26	99.935 
Value Creation in Supply Chain Management Systems TC.25	7	0.65	98.430 

## Topic Clusters

Topic Cluster	By this Group of Researchers		Worldwide
	Scholarly Output	Field-Weighted Citation Impact	Prominence percentile
Decision Making and Risk in Behavioral Economics TC.701	7	0.64	62.459 

## Researchers

Entity: Departemen Matematika · 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.	Sukono, Undefined	110	2026	588	20
2.	Johansyah, Muhamad Deni	51	2026	406	13
3.	Anggriani, Nursanti	51	2026	345	15
4.	Supriatna, Asep K.	49	2026	182	17
5.	Ruchjana, Budi Nurani	42	2026	154	13
6.	Chaerani, Diah	39	2026	212	9
7.	Napitupulu, Herlina	33	2026	203	11
8.	Rusyaman, Endang	32	2026	107	8
9.	Supian, Sudradjat	29	2025	160	15
10.	Carnia, Ema	20	2026	30	5
11.	Saputra, Moch Panji Agung	16	2026	64	4
12.	Purwani, Sri	15	2026	50	6
13.	Triska, Anita	14	2026	28	3
14.	Sylviani, Sisilia	13	2026	5	1
15.	Riaman, Undefined	13	2025	66	6
16.	Hidayanti, Monika	7	2026	32	3
17.	Parmikanti, Kankan	6	2026	11	4
18.	Kusuma, Dianne Amor	6	2026	18	5
19.	Nahar, Julita	5	2026	3	5

## Researchers

	Name	Scholarly Output	Most recent publication	Citations	<i>h</i> -index
20.	Firdaniza, Undefined	5	2023	64	4
21.	Kurniadi, Edi	5	2026	0	2
22.	Susanti, Dwi Rahayu	4	2026	4	4
23.	Hertini, Elis	4	2025	7	4
24.	Kartiwa, Alit	4	2026	18	4
25.	Gusriani, Nurul	2	2025	4	3
26.	Subartini, Betty	2	2022	5	6
27.	Djauhari, Eddy	2	2023	2	3