

Departemen Ilmu Teknologi dan Material Kedokteran Gigi

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Filter by publication year range:2022 to 2026

Summary metrics

Entity: Departemen Ilmu Teknologi dan Material Kedokteran Gigi · Within: All subject areas (ASJC) · Year range: 2022 to 2026 · Data source: Scopus, up to 27 May 2026

74

Scholarly Output 

68.9% Open Access

8 ▼

Researchers

1.30

Field-Weighted Citation Impact



0.44

Field-Weighted
Citation Impact
Median

522

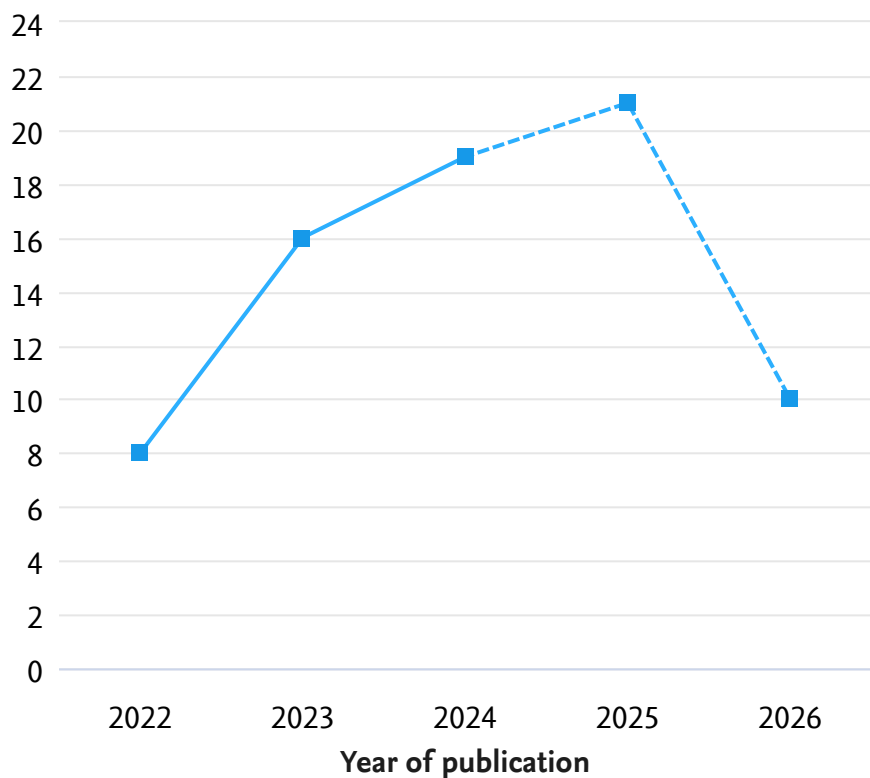
Citation Count 

7.1

Citations per Publication 

Scholarly Output

Entity: Departemen Ilmu Teknologi dan Material Kedokteran Gigi · Within: All subject areas (ASJC) · Year range: 2022 to 2026 · Data source: Scopus, up to 27 May 2026



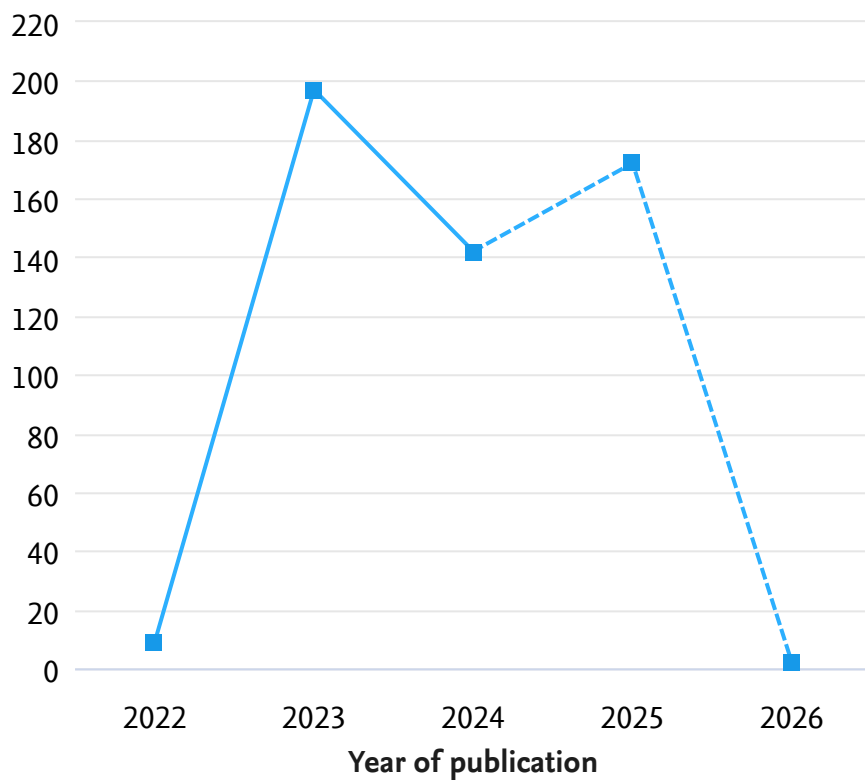
74

number of publications by authors
in Departemen Ilmu Teknologi dan
Material Kedokteran Gigi

▨ Incomplete year

Citation Count

Entity: Departemen Ilmu Teknologi dan Material Kedokteran Gigi · Within: All subject areas (ASJC) · Year range: 2022 to 2026 · Data source: Scopus, up to 27 May 2026



522

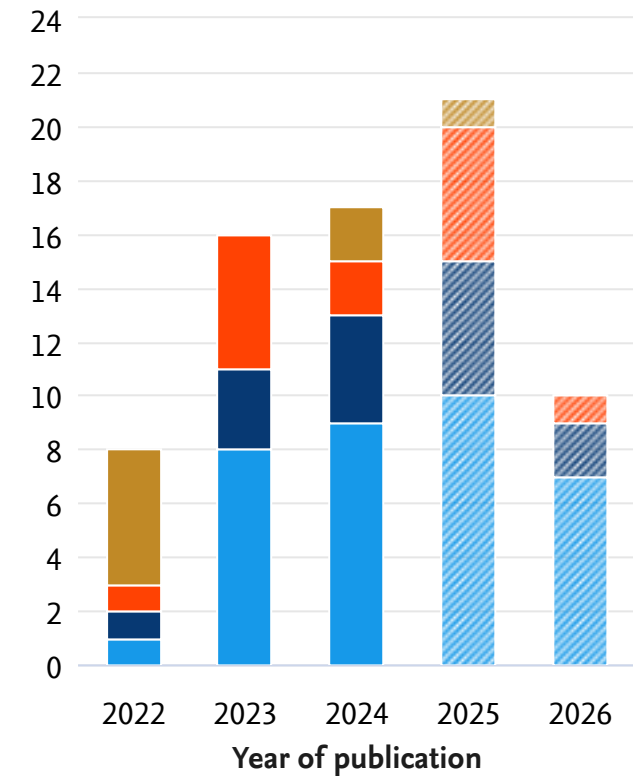
number of citations received by publications in Departemen Ilmu Teknologi dan Material Kedokteran Gigi

▨ Incomplete year

Publications by Journal quartile

Entity: Departemen Ilmu Teknologi dan Material Kedokteran Gigi · 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



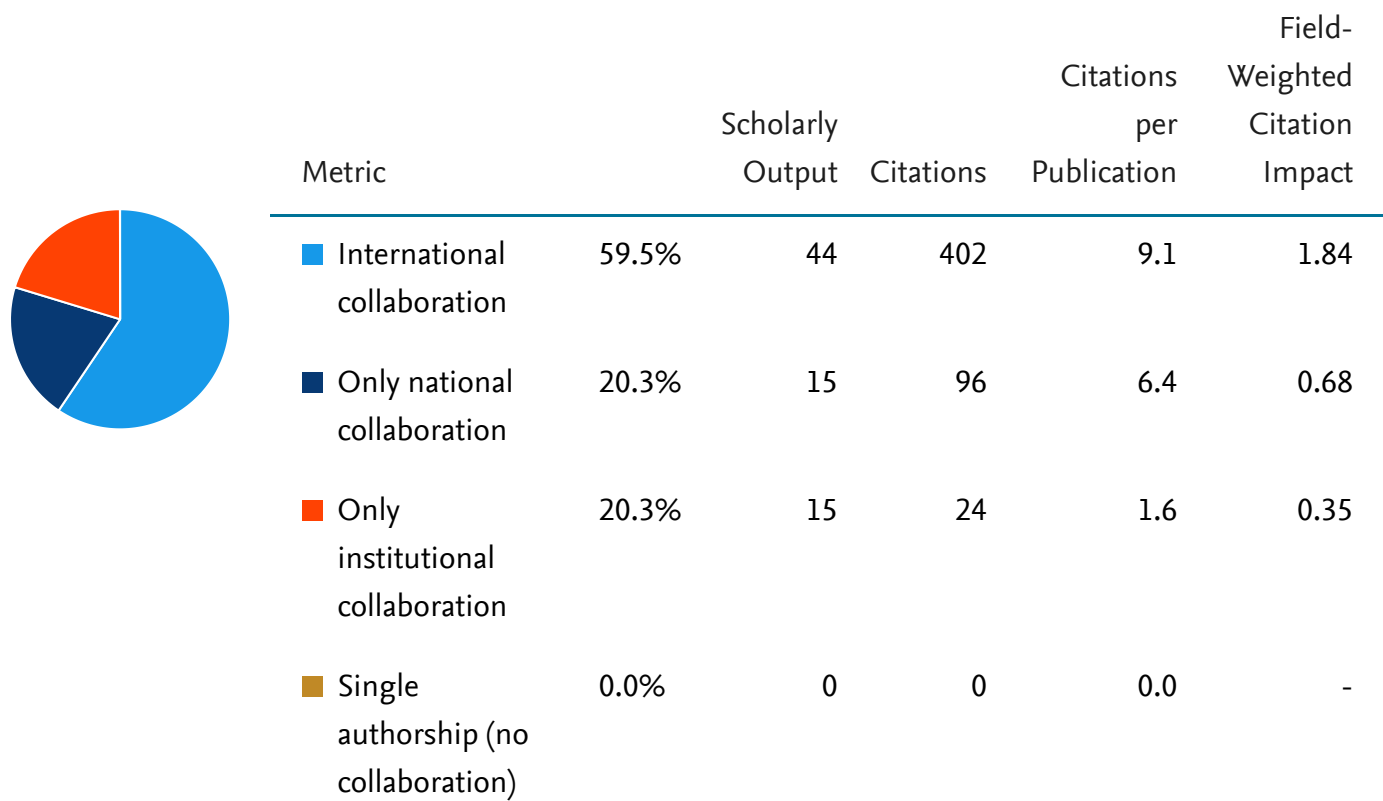
▨ Incomplete year

Quartiles	Publications	Publication share (%)
Q1 (top 25%)	35	48.6
Q2 (26% - 50%)	15	20.8
Q3 (51% - 75%)	14	19.4
Q4 (76% - 100%)	8	11.1
Cumulative shares	Publications	Publication share (%)
Q1 to Q2 (top 50%)	50	69.4
Q1 to Q3 (top 75%)	64	88.9

Geographical Collaboration - Overall

Entity: Departemen Ilmu Teknologi dan Material Kedokteran Gigi · 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 Ilmu Teknologi dan Material Kedokteran Gigi in the selected year range.



Outputs in Top 10% Citation Percentiles summary

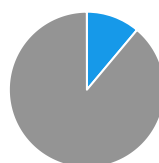
Entity: Departemen Ilmu Teknologi dan Material Kedokteran Gigi · Within: All subject areas (ASJC) · Year range: 2022 to 2026 · Data source: Scopus, up to 27 May 2026



Departemen Ilmu Teknologi dan Material Kedokteran Gigi
6.8%

Publications in Top 10% Journal Percentiles by CiteScore Percentile

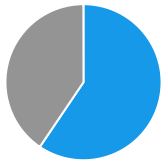
Entity: Departemen Ilmu Teknologi dan Material Kedokteran Gigi · Within: All subject areas (ASJC) · Year range: 2022 to 2026 · Data source: Scopus, up to 27 May 2026



Departemen Ilmu Teknologi dan Material Kedokteran Gigi
11.1%

International Collaboration summary

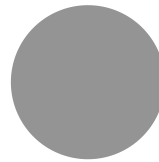
Entity: Departemen Ilmu Teknologi dan Material Kedokteran Gigi · Within: All subject areas (ASJC) · Year range: 2022 to 2026 · Data source: Scopus, up to 27 May 2026



Departemen Ilmu Teknologi dan Material Kedokteran Gigi
59.5%

Academic-Corporate Collaboration summary

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Departemen Ilmu Teknologi dan Material Kedokteran Gigi
0.0%

Publications with Highest FWCI

Entity: Departemen Ilmu Teknologi dan Material Kedokteran Gigi · 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>The Transformative Role of Artificial Intelligence in Dentistry: A Comprehensive Overview. Part 1: Fundamentals of AI, and its Contemporary Applications in Dentistry. Samaranayake, L., Tuygunov, N., Schwendicke, F. and 4 more (2025) <i>International Dental Journal</i>, 75 (2), pp. 383-396.</p>	144	38.92
<p>Engineered cyclic peptide targeting ITGA5 disrupts tumor–stroma interaction to overcome desmoplasia and resistance in pancreatic ductal adenocarcinoma. Mardhian, D.F., Pednekar, K.P., Hemdan, A.G. and 6 more (2026) <i>Acta Pharmaceutica Sinica B</i>, 16 (1), pp. 305-321.</p>	1	8.61
<p>Artificial Intelligence in Prosthodontics: Transforming Diagnosis and Treatment Planning. Samaranayake, L., Tuygunov, N., Schwendicke, F. and 4 more (2024) <i>Asian Journal of Periodontics and Orthodontics</i>, 4, pp. 9-18.</p>	29	7.71

Publications with Highest FWCI

Publication	Citations	Field-Weighted Citation Impact
Key virulence genes associated with <i>Streptococcus mutans</i> biofilm formation: a systematic review. Fitri, D.K., Tuygunov, N., Wan Harun, W.H.A. and 3 more (2025) <i>Frontiers in Oral Health</i> , 6.	11	4.04
In Vitro Biocompatibility of Hydrogel Polyvinyl Alcohol/Moringa oleifera Leaf Extract/Graphene Oxide for Wound Dressing. Ningrum, D.R., Hanif, W., Mardhian, D.F. and 1 more (2023) <i>Polymers</i> , 15 (2).	55	4.01

Topic Clusters

Entity: Departemen Ilmu Teknologi dan Material Kedokteran Gigi · 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
Mechanical Strength and Bonding in Dental Materials TC.183	13	0.43	80.576 
Endodontics and Dental Regeneration TC.259	13	0.56	73.643 
Hydroxyapatite Applications in Biomedical Engineering TC.823	6	0.45	72.989 
Implant Innovations in Orthodontics and Bone Health TC.51	5	0.41	88.424 
Fluoride and Oral Health in Children TC.293	4	1.21	70.634 
Image Segmentation, Deep Neural Networks and Object Detection TC.0	3	16.14	100.000 
Interconnections Between Oral Health and Systemic Diseases TC.648	3	0.04	59.058 
Hydrogels and Bioprinting in Tissue Engineering TC.252	2	2.31	99.019 
Microbial Solutions for Hydrocarbon Biodegradation TC.308	2	0.82	83.322 
Innovative Prosthetics and Haptic Feedback Systems TC.545	2	0.26	77.305 

Researchers

Entity: Departemen Ilmu Teknologi dan Material Kedokteran Gigi · 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.	Cahyanto, Arief	44	2026	401	17
2.	Djustiana, Nina	14	2026	40	7
3.	Takarini, Veni	14	2025	54	6
4.	Usri, Kosterman	8	2025	17	4
5.	Mardhian, Deby Fajar	6	2026	74	8
6.	Febrida, Renny	3	2025	3	5
7.	Faza, Yanwar	2	2025	4	5
8.	Karlina, Elin	1	2023	10	4