



DRPM

DIREKTORAT RISET DAN PENGABDIAN
KEPADA MASYARAKAT

BULETIN INFOGRAFIS PUBLIKASI INTERNASIONAL ITS TERINDEKS SCOPUS EDISI JANUARI 2021





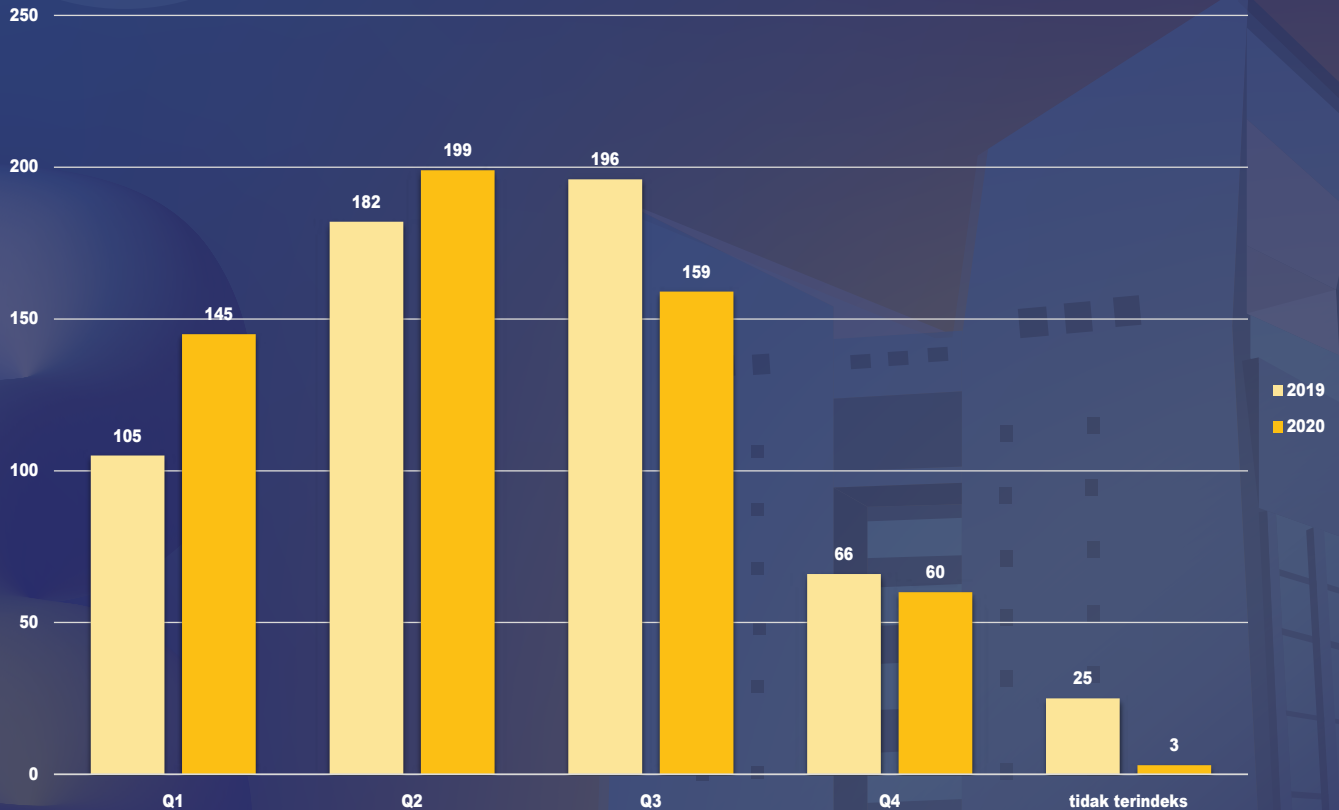
Sebaran Publikasi Artikel Jurnal Internasional Terindeks Scopus Dalam Kategori Q1 - Q4, Prosiding Seminar dan Buku di ITS Tahun 2019-2020 per 4 Januari 2021

Tahun / Publikasi	Artikel Jurnal	Prosiding & Buku
2019	549	1286
2020	563	777

Tahun	Artikel Jurnal					Prosiding & Buku
	Q1	Q2	Q3	Q4	tidak terindeks	
2019	105	182	196	66	25	1286
2020	145	199	159	60	3	777

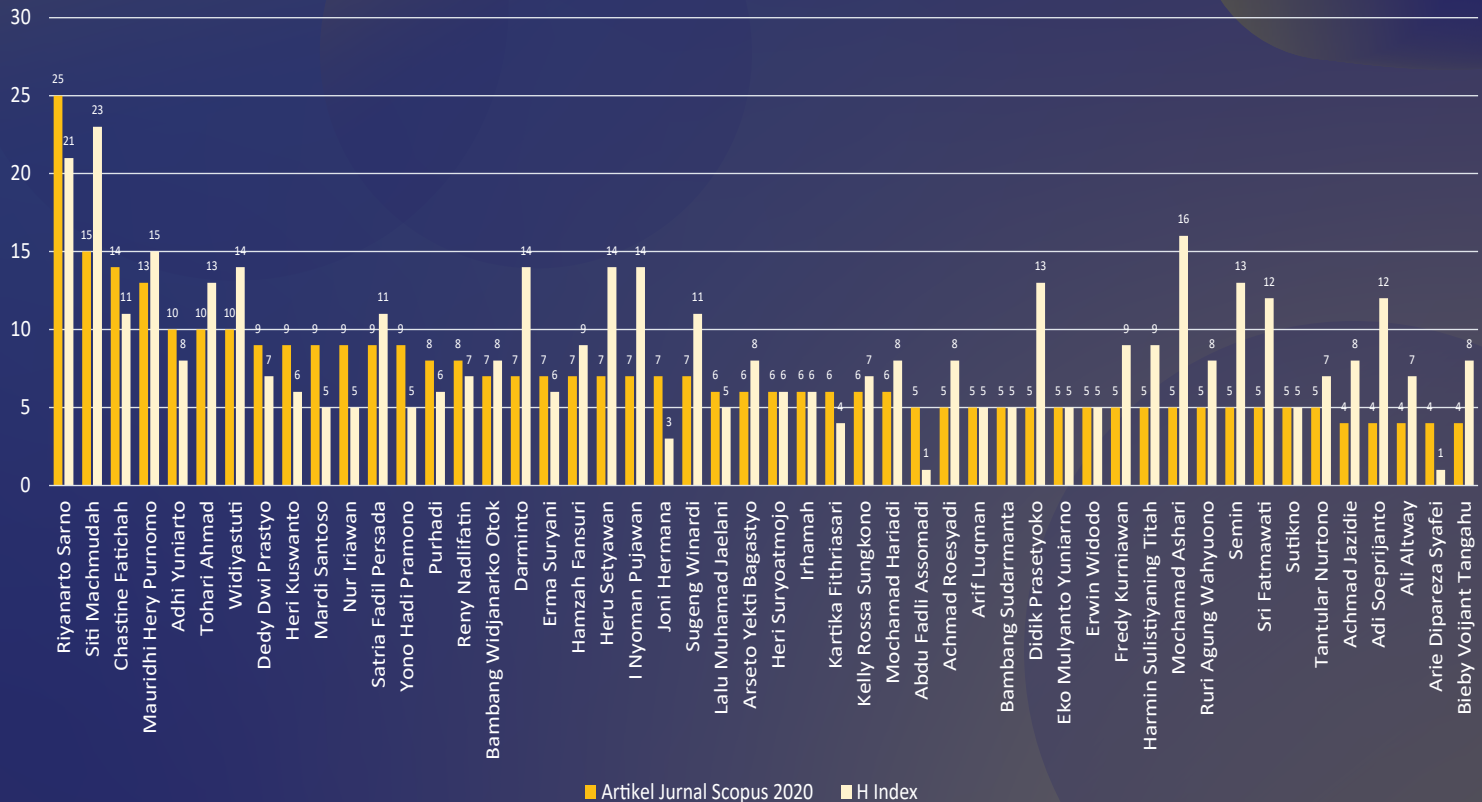


Sebaran Publikasi Artikel Jurnal Internasional Terindeks Scopus Dalam Kategori Q1-Q4 di ITS Tahun 2019-2020 per 4 Januari 2021





50 Peneliti Produktif di ITS Tahun 2020, Beserta Info H-index per 4 Januari 2021





50 Artikel Teratas Terindeks Scopus di ITS Dengan Sitasi Terbanyak Tahun 2016-2020 per 4 Januari 2021

DRPM
DIREKTORAT RISET DAN PENGABDIAN
KEPADA MASYARAKAT

NO	Authors	Title	Source title	Year	Cited by
1	Pratama B.Y., Sarno R.	Personality classification based on Twitter text using Naive Bayes, KNN and SVM	Proceedings of 2015 International Conference on Data and Software Engineering, ICODSE 2015	2016	90
2	Gan S.-S., Pujawan I.N., Suparmo, Widodo B.	Pricing decision for new and remanufactured product in a closed-loop supply chain with separate sales-channel	International Journal of Production Economics	2017	82
3	Yu V.F., Redi A.A.N.P., Yang C.-L., Ruskartina E., Santosa B.	Symbiotic organisms search and two solution representations for solving the capacitated vehicle routing problem	Applied Soft Computing Journal	2017	65
4	Bioresita F., Puissant A., Stumpf A., Malet J.-P.	A method for automatic and rapid mapping of water surfaces from Sentinel-1 imagery	Remote Sensing	2018	54
5	Syakti A.D., Bouhroum R., Hidayati N.V., Koenawan C.J., Boulkamh A., Sulisty I., Lebarillier S., Akhlus S., Doumenq P., Wong-Wah-Chung P.	Beach macro-litter monitoring and floating microplastic in a coastal area of Indonesia	Marine Pollution Bulletin	2017	53
6	Tjahjono A., Anggriawan D.O., Faizin A.K., Priyadi A., Pujantara M., Taufik T., Purnomo M.H.	Adaptive modified firefly algorithm for optimal coordination of overcurrent relays	IET Generation, Transmission and Distribution	2017	50
7	Handoyo E.A., Ichsan D., Prabowo, Sutardi	Numerical studies on the effect of delta-shaped obstacles' spacing on the heat transfer and pressure drop in v-corrugated channel of solar air heater	Solar Energy	2016	49
8	Fitriana W.D., Ersam T., Shimizu K., Fatmawati S.	Antioxidant activity of Moringa oleifera extracts	Indonesian Journal of Chemistry	2016	39
9	Kusuma H.S., Mahfud M.	The extraction of essential oils from patchouli leaves (Pogostemon cablin benth) using a microwave air-hydrodistillation method as a new green technique	RSC Advances	2017	36
10	Sarno R., Sungkono K.R.	Hidden markov model for process mining of parallel business processes	International Review on Computers and Software	2016	36
11	Syahputra R., Soesanti I., Ashari M.	Performance enhancement of distribution network with dg integration using modified PSO algorithm	Journal of Electrical Systems	2016	36
12	Radi S.T.P., Ciptohadijono S., Litananda W.S., Rivai M., Purnomo M.H.	Electronic nose based on partition column integrated with gas sensor for fruit identification and classification	Computers and Electronics in Agriculture	2016	36
13	Bangga G., Hutomo G., Wiranegara R., Sasongko H.	Numerical study on a single bladed vertical axis wind turbine under dynamic stall	Journal of Mechanical Science and Technology	2017	34
14	Khusnun N.F., Jalil A.A., Triwahyono S., Hitam C.N.C., Hassan N.S., Jamian F., Nabgan W., Abdullah T.A.T., Kamaruddin M.J., Hartanto D.	Directing the amount of CNTs in CuO-CNT catalysts for enhanced adsorption-oriented visible-light-responsive photodegradation of p-chloroaniline	Powder Technology	2018	32
15	Ariffin N., Abdullah M.M.A.B., Zainol M.R.R.M.A., Murshed M.F., Hariz-Zain, Faris M.A., Bayuaji R.	Review on Adsorption of Heavy Metal in Wastewater by Using Geopolymer	MATEC Web of Conferences	2017	31
16	Sulistiwati I.B., Priyadi A., Qudsi O.A., Soeprijanto A., Yorino N.	Critical Clearing Time prediction within various loads for transient stability assessment by means of the Extreme Learning Machine method	International Journal of Electrical Power and Energy Systems	2016	31
17	Purwanto M., Atmaja L., Mohamed M.A., Salleh M.T., Jaafar J., Ismail A.F., Santoso M., Widiastuti N.	Biopolymer-based electrolyte membranes from chitosan incorporated with montmorillonite-crosslinked GPTMS for direct methanol fuel cells	RSC Advances	2016	31
18	Islam R., Nazifa T.H., Yuniarto A., Shanawaz Uddin A.S.M., Salmiati S., Shahid S.	An empirical study of construction and demolition waste generation and implication of recycling	Waste Management	2019	29
19	Wijaya D.R., Sarno R., Zulaika E.	Information Quality Ratio as a novel metric for mother wavelet selection	Chemometrics and Intelligent Laboratory Systems	2017	29
20	Sarno R., Sungkono K.R.	Coupled hidden Markov model for process mining of invisible prime tasks	International Review on Computers and Software	2016	29



50 Artikel Teratas Terindeks Scopus di ITS Dengan Sitasi Terbanyak Tahun 2016-2020 per 4 Januari 2021

NO	Authors	Title	Source title	Year	Cited by
21	Sarno R., Effendi Y.A., Haryadita F.	Modified time-based heuristics miner for parallel business processes	International Review on Computers and Software	2016	29
22	Putri R.I., Pujiantara M., Priyadi A., Ise T., Purnomo M.H.	Maximum power extraction improvement using sensorless controller based on adaptive perturb and observe algorithm for PMSG wind turbine application	IET Electric Power Applications	2018	28
23	Soedibyo, Murdianto F.D., Suyanto, Ashari M., Penangsang O.	Modeling and simulation of MPPT-SEPIC combined bidirectional control inverse KY converter using ANFIS in microgrid system	Indonesian Journal of Electrical Engineering and Computer Science	2016	27
24	Aldrin Wiguna K., Sarno R., Ariyani N.F.	Optimization Solar Farm site selection using Multi-Criteria Decision Making Fuzzy AHP and PROMETHEE: Case study in Bali	Proceedings of 2016 International Conference on Information and Communication Technology and Systems, ICTS 2016	2017	26
25	Abu Hasan H., Sheikh Abdullah S.R., Al-Attabi A.W.N., Nash D.A.H., Anuar N., Abd. Rahman N., Sulistyanying Titah H.	Removal of ibuprofen, ketoprofen, COD and nitrogen compounds from pharmaceutical wastewater using aerobic suspension-sequencing batch reactor (ASSBR)	Separation and Purification Technology	2016	26
26	Khumaidi A., Yuniarno E.M., Purnomo M.H.	Welding defect classification based on convolution neural network (CNN) and Gaussian Kernel	2017 International Seminar on Intelligent Technology and Its Application: Strengthening the Link Between University Research and Industry to Support ASEAN Energy Sector, ISITIA 2017 - Proceeding	2017	25
27	Adhitya R.Y., Ramadhan M.A., Kautsar S., Rinanto N., Sarena S.T., Munadhif I., Sya'in M., Soelisticjono R.T., Soeprijanto A.	Comparison methods of Fuzzy Logic Control and Feed Forward Neural Network in automatic operating temperature and humidity control system (Oyster Mushroom Farm House) using microcontroller	2016 International Symposium on Electronics and Smart Devices, ISESD 2016	2017	25
28	Setiawan N.Y., Sarno R.	Multi-criteria decision making for selecting semantic web service considering variability and complexity trade-off	Journal of Theoretical and Applied Information Technology	2016	25
29	Sarno R., Sinaga F.P.	Business process anomaly detection using ontology-based process modelling and Multi-Level Class Association Rule Learning	Proceeding - 2015 International Conference on Computer, Control, Informatics and Its Applications: Emerging Trends in the Era of Internet of Things, IC3INA 2015	2016	25
30	Ranagalage M., Estoque R.C., Handayani H.H., Zhang X., Morimoto T., Tadono T., Murayama Y.	Relation between urban volume and land surface temperature: A comparative study of planned and traditional cities in Japan	Sustainability (Switzerland)	2018	24
31	Ngatini, Apriliani E., Nurhadi H.	Ensemble and Fuzzy Kalman Filter for position estimation of an autonomous underwater vehicle based on dynamical system of AUV motion	Expert Systems with Applications	2017	24
32	Herlambang T., Djatmiko E.B., Nurhadi H.	Navigation and guidance control system of AUV with trajectory estimation of linear modelling	ICAMIMIA 2015 - International Conference on Advanced Mechatronics, Intelligent Manufacture, and Industrial Automation, Proceeding - In conjunction with Industrial Mechatronics and Automation Exhibition, IMAE	2016	24
33	Wijaya D.R., Sarno R., Zulaika E.	Sensor array optimization for mobile electronic nose: Wavelet transform and filter based feature selection approach	International Review on Computers and Software	2016	24
34	Cahyapratama A., Sarno R.	Application of Analytic Hierarchy Process (AHP) and Simple Additive Weighting (SAW) methods in singer selection process	2018 International Conference on Information and Communications Technology, ICOIAC 2018	2018	23
35	Lin C.J., Prasetyo Y.T., Widyaningrum R.	Eye movement parameters for performance evaluation in projection-based stereoscopic display	Journal of Eye Movement Research	2018	23
36	Handoko E.Y., Fernandes M.J., Lázaro C.	Assessment of altimetric range and geophysical corrections and mean sea surface models impacts on sea level variability around the Indonesian seas	Remote Sensing	2017	23
37	Suyanto, Murdianto F.D., Penangsang O., Dimas Fajar U.P., Soeprijanto A., Seto R.	Wind-PV hybrid system modeling using bidirectional converter with MPPT-dual adaptive neuro fuzzy inference system (ANFIS) in microgrid isolated system	Journal of Engineering and Applied Sciences	2016	23
38	Tangahu B.V., Ningsih D.A., Kurniawan S.B., Imron M.F.	Study of BOD and COD removal in batik wastewater using Scirpus grossus and Iris pseudacorus with intermittent exposure system	Journal of Ecological Engineering	2019	22
39	Kurniawan S.B., Purwanti I.F., Titah H.S.	The effect of pH and aluminium to bacteria isolated from aluminium recycling industry	Journal of Ecological Engineering	2018	22
40	Taufiq A., Sunaryono, Hidayat N., Hidayat A., Putra E.G.R., Okazawa A., Watanabe I., Kojima N., Pratapa S., Darminto	Studies on Nanostructure and Magnetic Behaviors of Mn-Doped Black Iron Oxide Magnetic Fluids Synthesized from Iron Sand	Nano	2017	22

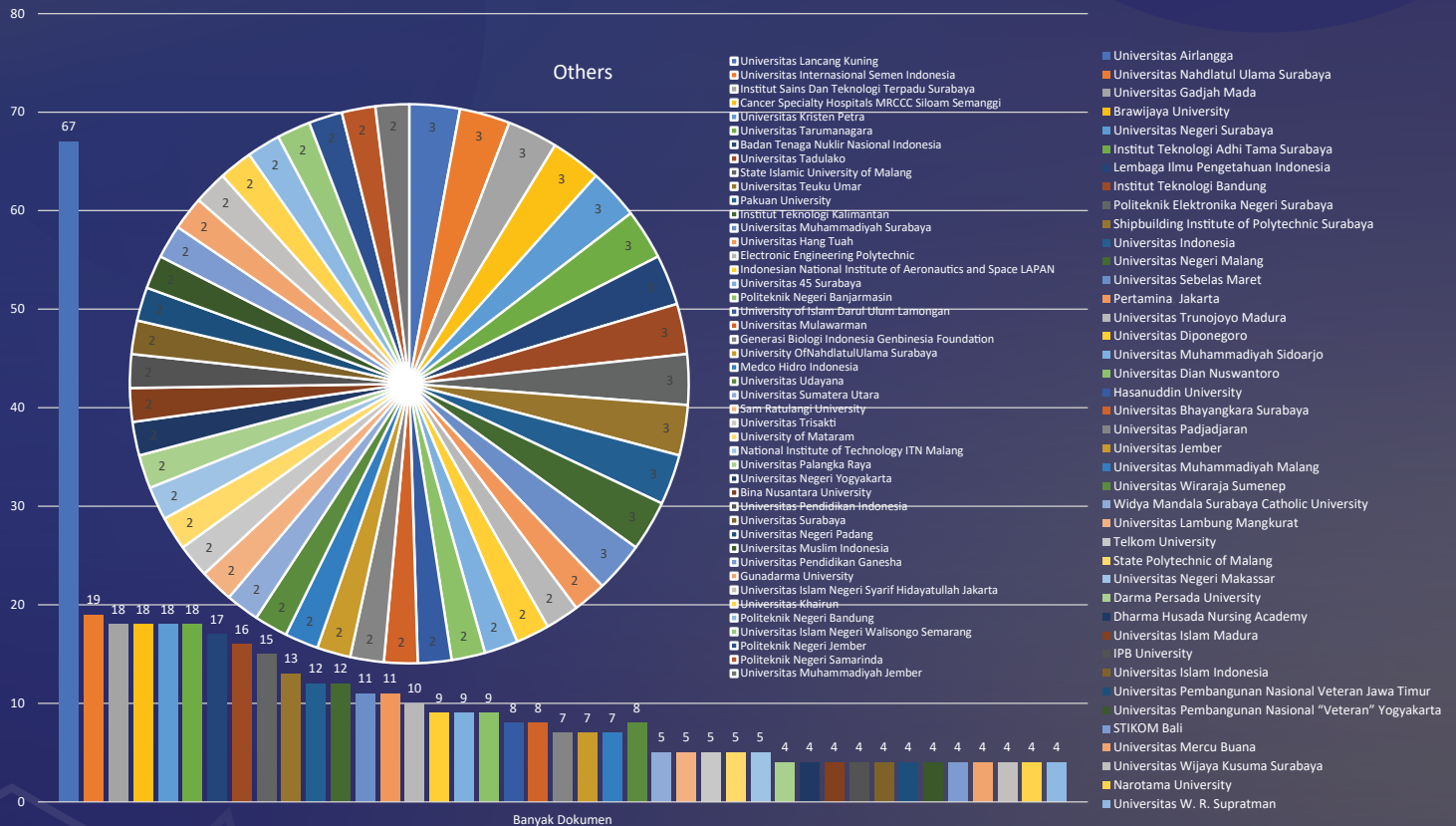


50 Artikel Teratas Terindeks Scopus di ITS Dengan Sitasi Terbanyak Tahun 2016-2020 per 4 Januari 2021

NO	Authors	Title	Source title	Year	Cited by
41	Purnomo A.S., Nawfa R., Martak F., Shimizu K., Kamei I.	Biodegradation of Aldrin and Dieldrin by the White-Rot Fungus <i>Pleurotus ostreatus</i>	Current Microbiology	2017	22
42	Sabilla S.I., Sarno R., Siswanto J.	Estimating Gas Concentration using Artificial Neural Network for Electronic Nose	Procedia Computer Science	2017	22
43	Biyanto T.R., Matradji, Irawan S., Febrianto H.Y., Afdanny N., Rahman A.H., Gunawan K.S., Pratama J.A.D., Bethiana T.N.	Killer Whale Algorithm: An Algorithm Inspired by the Life of Killer Whale	Procedia Computer Science	2017	22
44	Kurniawansyah F., Mammucari R., Foster N.R.	Polymorphism of curcumin from dense gas antisolvent precipitation	Powder Technology	2017	22
45	Sunaryono, Taufiq A., Putra E.G.R., Okazawa A., Watanabe I., Kojima N., Rugmai S., Soontaranon S., Zainuri M., Triwikantoro, Pratapa S., Darminto	Small-Angle X-Ray Scattering Study on PVA/Fe3O4 Magnetic Hydrogels	Nano	2016	22
46	Nakashima Y., Heki K., Takeo A., Cahyadi M.N., Aditiya A., Yoshizawa K.	Atmospheric resonant oscillations by the 2014 eruption of the Kelud volcano, Indonesia, observed with the ionospheric total electron contents and seismic signals	Earth and Planetary Science Letters	2016	22
47	Sarno R., Sidabutar J., Sarwosri	Improving the accuracy of COCOMO's effort estimation based on neural networks and fuzzy logic model	Proceedings of 2015 International Conference on Information and Communication Technology and Systems, ICTS 2015	2016	22
48	Subaer, Haris A., Nurhayati, Irahamsyah A., Ekaputri J.J.	The influence of Si:Al and Na:Al on the physical and microstructure characters of geopolymers based on metakaolin	Materials Science Forum	2016	22
49	Elmsellem H., El Ouadi Y., Mokhtari M., Bendaif H., Steli H., Aouniti A., Almhedi A.M., Abdel-Rahman I., Kusuma H.S., Hammouti B.	A natural antioxidant and an environmentally friendly inhibitor of mild steel corrosion: A commercial oil of basil (<i>Ocimum basilicum</i> L.)	Journal of Chemical Technology and Metallurgy	2019	21
50	Habieb A.B., Milani G., Tavio T.	Two-step advanced numerical approach for the design of low-cost unbonded fiber reinforced elastomeric seismic isolation systems in new masonry buildings	Engineering Failure Analysis	2018	21

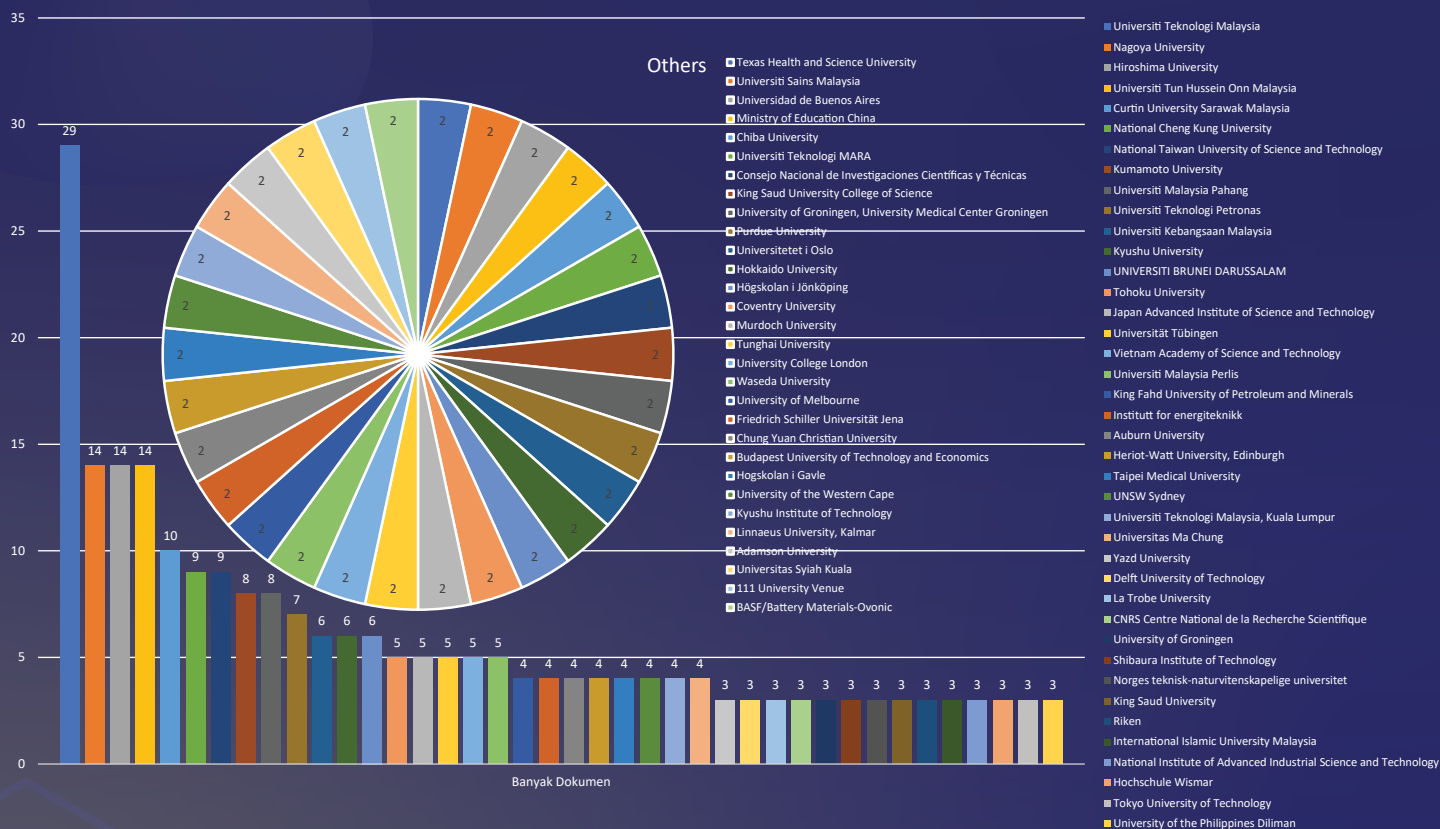


Publikasi Bersama (Co-Authorship) Nasional Terindeks Scopus Tahun 2020 per 4 Januari 2021





Publikasi Bersama (Co-Authorship) Internasional Terindeks Scopus Tahun 2020 per 4 Januari 2021





Penyelenggaraan Seminar Internasional Tahun 2020

No.	Nama Seminar Internasional	Singkatan Seminar	Departemen /Unit	Fakultas / Unit
1	Maritime Safety International Conference	MASTIC	Pusat Unggulan IPTEK (PUI) Keselamatan Kapal dan Instalasi Laut	Direktorat Riset dan Pengabdian kepada Masyarakat
2	International Seminar on Intelligent Technology and Its Applications	ISITIA	Departemen Teknik Elektro	Fakultas Teknologi Elektro dan Informatika Cerdas
3	The 4th International Conference on Civil Engineering Research	The 4th ICCER	Teknik Sipil	Fakultas Teknik Sipil, Perencanaan, dan Kebumihan
4	International Conference on Computer Engineering, Network, and Intelligent Multimedia	CENIM	Teknik Komputer	Fakultas Teknologi Elektro dan Informatika Cerdas
5	The 4th International Conference On Materials and Metallurgical Engineering and Technology 2020	ICOMMET2020	Teknik Material dan Metalurgi	Fakultas Teknologi Industri dan Rekayasa Sistem
6	CITIES 2020	CITIES	Perencanaan Wilayah dan Kota	Fakultas Teknik Sipil, Perencanaan, dan Kebumihan
7	International Conference on Industrial and System Engineering	IconISE	Teknik dan Sistem Industri	Fakultas Teknologi Industri dan Rekayasa Sistem
8	The 4th International Seminar on Photonics Optics and its Applications	The 4th ISPhOA	Teknik Fisika	Fakultas Teknologi Industri dan Rekayasa Sistem
9	The 5th Geomatics International Conference (GEOICON) 2020	GEOICON 2020	Teknik Geomatika	Fakultas Teknik Sipil, Perencanaan, dan Kebumihan
10	International Seminar on Chemistry	ISOC	Kimia	Fakultas Sains dan Analitika Data
11	THE 8 th INTERNATIONAL SEMINAR ON OCEAN AND COASTAL ENGINEERING, ENVIRONMENTAL AND NATURAL DISASTER MANAGEMENT	ISOCEEN	Teknik Kelautan	Fakultas Teknologi Kelautan
12	The First Biennial International Conference on Acoustics and Vibration	ANV 2020	Pusat Penelitian Internet of Things dan Teknologi Pertahanan	Direktorat Riset dan Pengabdian kepada Masyarakat
13	THE 5th INTERNATIONAL BIOLOGY CONFERENCE (IBOC) – 2020	IBOC – 2020	Biologi	Fakultas Sains dan Analitika Data
14	Architectural Research and Design Conference (AR+DC)	AR+DC 2020	Arsitektur	Fakultas Teknik Sipil, Perencanaan, dan Kebumihan
15	JOINT INTERNATIONAL CONFERENCE ON SUSTAINABLE COASTAL MANAGMENT	SCM -ICON	➢ Pusat Penelitian Sains dan Teknologi Kelautan-Kebumihan ➢ Pusat Penelitian Infrastruktur dan Lingkungan Berkelanjutan ➢ Pusat Penelitian Mitigasi, Kebencanaan dan Perubahan Iklim	Direktorat Riset dan Pengabdian kepada Masyarakat
16	10th International Conference and Supply Chain Management		Manajemen Teknologi	Fakultas Desain Kreatif dan Bisnis Digital