INTERNATIONAL RESEARCH COLLABORATION

Prof. Dr. Heri Hermansyah, S.T., M.Eng., IPU

Universitas Indonesia

CURRICULUM VITAE

Prof. HERI HERMANSYAH

- Insinyur Profesional Utama (2019)
- Professor Teknik Kimia (2013)
- Guru Besar Termuda FTUI (usia 37 tahun)

ABOUT ME

FULL NAME
Prof. Dr. Heri Hermansyah, S.T., M.Eng, IPU.

Professor/Guru Besar

PLACE/DATE OF BIRTH
Sukabumi/18 January 1976

GENDER
Male

EMAIL
heri.hermansyah@ui.ac.id

PHONE
+62 813-8539-9048

LANGUAGE

- **English** (reading, writing, speaking)
- **Japanese Language** (reading, writing, speaking)
- **Indonesia** (reading, writing, speaking)
- **Sunda** (reading, writing, speaking)
- **Arab** (reading)

EDUCATION

BACHELOR OF ENGINEERING
Department of Gas and Petrochemical Engineering, Faculty of Engineering
University of Indonesia (1998), INDONESIA

MASTER OF ENGINEERING
Department of Chemical Engineering
Graduate School of Engineering
Tohoku University (2003), JAPAN

DOCTOR OF PHILOSOPHY (ENGINEERING)
Department of Chemical Engineering
Graduate School of Engineering
Tohoku University (2006), JAPAN

MANAGEMENT

Acting Director of Research and Community Engagement
Kemenristek/BRIN (September 2020 – Agustus 2021)

Director of Intelectual Property Management
Kemenristek/BRIN (Jan 2020 – Agustus 2021)

Program Director SMART CITY USAID SHERA
Universitas Indonesia (July 2017 – Jan 2020)

Director of Research and Community Engangement
Universitas Indonesia (1 June 2016 - 5 January 2019)

Associate Dean for Cooperation, Student, Alumnae and Venture, Faculty of Engineering, Universitas Indonesia (15 January 2014 - 31 May 2016)

Professor (*Guru Besar*), Department of Chemical Engineering, Faculty of Engineering, University of Indonesia (1 March 2013 - Present)

***Dosen Inti Penelitian* of University of Indonesia,** Department of Chemical Engineering, Faculty of Engineering, University of Indonesia (September 2008-2014)

Head of Bioprocess Technology Study Program
Department of Chemical Engineering, Faculty of Engineering, University of Indonesia (August 2008-2014)

Head of Bioprocess Engineering Research group Department of Chemical Engineering, Faculty of Engineering, University of Indonesia (November 2007-2014)

NETWORKS AND ORGANIZATION

Selected Organization

- **Chairman** of Asian Federation of Biotechnology Indonesia (2021-now)
- **Chairman** of Reiewer Penelitian Nasional (2017-now)
- Head of Edcuation and Culture Badan Pengurus Pusat **PERSADA (Persatuan Alumni Jepang)** [2020-2024]
- Advisory Board Member of **Asian Federation of Biotechnology** [2012-2021]
- Member and Organizing Committe of **Konsorsium Biotechnology Indonesia** [2008-2018]
- Head of **Persatuan Pelajar Indonesia (PPI) Sendai Jepang** [2003-2004]

AWARDS & ACHIEVEMENTS

AWARDS — **TOTAL 20** AWARDS

Selected Award:

- Reward and Certificate from the President of Republic of Indonesia, **Bintang Satya Lencana Pengabdian 20 Tahun** (2019)
- **IDB Prize** Bidang Sciennce Technology (2017)
- Reward and Certificate from the President of Republic of Indonesia, **Bintang Satya Lencana Pengabdian 10 Tahun** (2014)
- Reward and Certificate from the Rector of University of Indonesia, **Juara II Dosen Berprestasi** (2013)
- Reward and Certificate from the Rector of University of Indonesia, **Peneliti UI Produktif** (2012)
- Reward and Certificate from the Dean of Faculty of Engineering University of Indonesia, **Best Poster Seminar QIR** (2011)

RESEARCH PROJECTS — **TOTAL 39** PROJECTS

Selected Research Projects :

- World Class Professor (WCP) Program, Skema A, (2019)
- Optimal Design of Biorefinery to Produce Biochemical and Bioenergy Products 2018-2019
- Biosensor Berbasis Enzim Kolesterol Oksidase Sebagai Pendeteksi Kolesterol (2017-2019)
- Produksi Lipase Dengan Modifikasi Metode Fermentasi Terendam Pada Substrat Limbah Cair Agroindustri Untuk Sintesis Biodiesel (2017-2019)

	ARTICLES	CITATIONS	H-Index
Scopus	158	351	9
Google	381	971	15

INDUSTRIAL PROJECT, CONSULTANT, COMMUNITY SERVICES — **TOTAL 61** PROJECTS

Selected Projects :

- **Technical Expert**, Increased PoB Feasibility Study (Lemtek-Sherpa-Hess, 2016-2017)
- **Reviewer,** Hibah kompetitif & desentralisasi Kemenristek Dikti (2010-present)
- **Project Manager**, Safety Dossier (Lemtek-Sherpa-Hess, 2015-2017)
- **Technical Expert**, Pengawasan Volume Dan Prosentase Pencampuran BbN Ke Dalam BBM (PT. Surveyor Indonesia-Ditjen Migas, 2016)
- **Risk Specialist**, SP & KLD Risk Assessment Related To Impact Of Cilamaya Port Development (PT. LKI-Pertamina PHE ONJW, 2014)

PUBLICATIONS — **TOTAL 154** DOCUMENTS

Selected Publication:

- Solid state fermentation using agroindustrial wastes to produce Aspergillus niger lipase as a biocatalyst immobilized by an adsorption-crosslinking method for biodiesel synthesis, ***International Journal of Technology (2016)***
- Effect Of Methylene Blue Addition As A Redox Mediator On Performance Of Microbial Desalination Cell By Utilizing Tempe wastewater, ***International Journal of Technology (2016)***
- Effect Of Aeration And Nutrients On Saccharomyces Cerevisiae Cultivation Using Lignocellulosic Hydrolysate From Empty Fruit Bunch, ***International Journal of Technology (2015)***
- Kinetic Study of Immobilized Whole-Cell Lipase Rhizopus Oryzae as Biocatalyst in Biodiesel Synthesis through Non-Alcohol Route, ***International Journal of Environmental Science and Development (2015)***

INVITED SPEAKER/SPEAKER — **MORE THAN 60 TIMES**

Selected Conferences :

- Optimizing Lipase Immobilization by Entrapment Method on Chitosan as Biocatalyst for Biodiesel Synthesis, 19th Regional Symposium of Chemical Engineering ***(2012)***
- Partial Hydrolysis-Esterification Of Palm Oil To Produce Diacylglycerol (DAG) Cooking Oil Using Biocatalyst In Hollow Fiber Membrane Bioreactor, ***AFOB Delegate Meeting and Regional Symposium (Taiwan, 2012)***
- Current Bioprocess Engineering Research at Bioprocess Engineering Study Program University of Indonesia: Bioenergy, Environmental Biotechnology and Natural Product Design, The 5th Indonesia Biotechnology Conference ***(Lombok, 2012)***
- NO2 reduction using goat and cow manured-based compost as biofilter medium, International Conference on Energy and Environmental Protection ***(China, 2012)***

1 BOOK — **KINETIKA BIOKATALIS**
UI-Press (Juni 2010) ISBN 978-979-456-425-7

WORLD CLASS RANKING

The QS World University Rankings

Academic Reputation (40%)

Employer Reputation 10%

Faculty/Student Ratio (20%)

Citations per faculty (20%)

International Faculty Ratio (5%)

International Student Ratio (5%)

Time Higher Education World University Rankings

Teaching (the learning environment): 30%
- Reputation survey: 15%
- Staff-to-student ratio: 4.5%
- Doctorate-to-bachelor's ratio: 2.25%
- Doctorates-awarded-to-academic-staff ratio: 6%
- Institutional income: 2.25%

Research (volume, income and reputation): 30%
- Reputation survey: 18%
- Research income: 6%
- Research productivity: 6%

Citations (research influence): 30%

Industry income (knowledge transfer): 2.5%

International outlook (staff, students, research): 7.5%
- Proportion of international students: 2.5%
- Proportion of international staff: 2.5%
- International collaboration: 2.5%

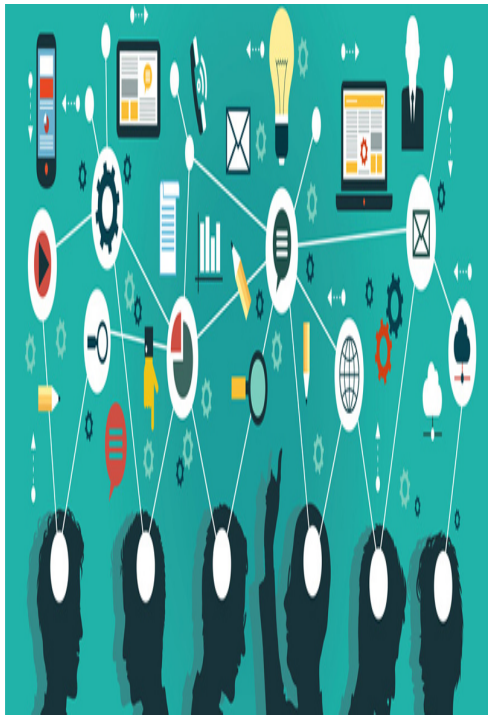
RESEARCH INNOVATION PROCESS

INPUT → **ACTIVITIES** → **OUTPUT** → **OUTCOME** → **IMPACT**

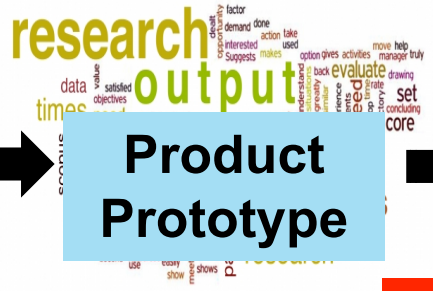
FUND

RESEARCHERs

INFRASTRUCTURE



Scientific article



Product Prototype

IPR

Patent, Industrial Design, Trademark, Trade secrets Copyright

citation

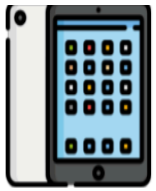
License/ commercialization

REPUTATION

REVENUE

INNOVATION BASED ECONOMICS

Policy on Research-Innovation



Appropriate Technology

Value Added and Commercialization

Import Substitution and Local Content

Frontier Technology

Fokus Riset RIRN 2017-2045

Food

Energy

Health

Transportation

Technical Engineering Product

Defence and Security

Marine

Socio-Humanities

Established Every 5 Years

Fokus Riset PRN 2020-2024

Food Agriculture

Energy-New and Renewable Energy

Health Pharmacy

Defence and Security

Marine

Engineering Product

Transportation

Socio-Humanities-Art& Culture-Education

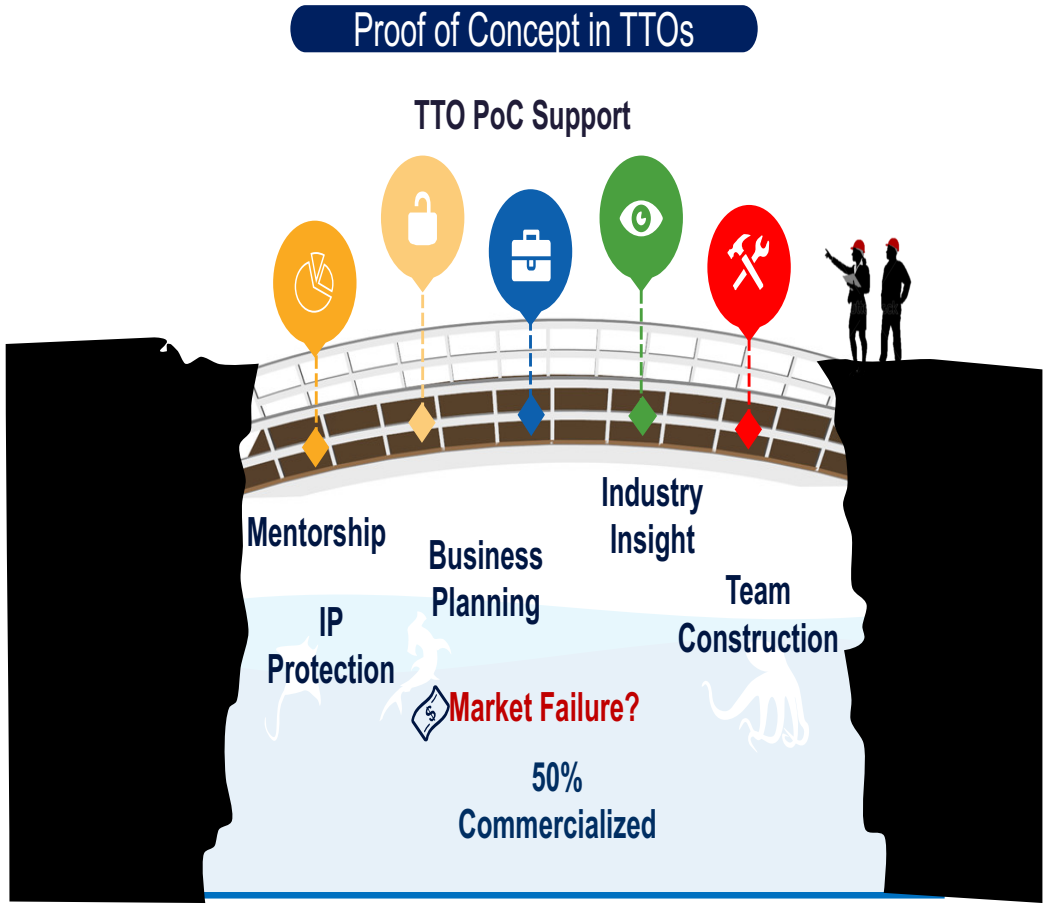
Multidisciplinary and Cross Sectoral

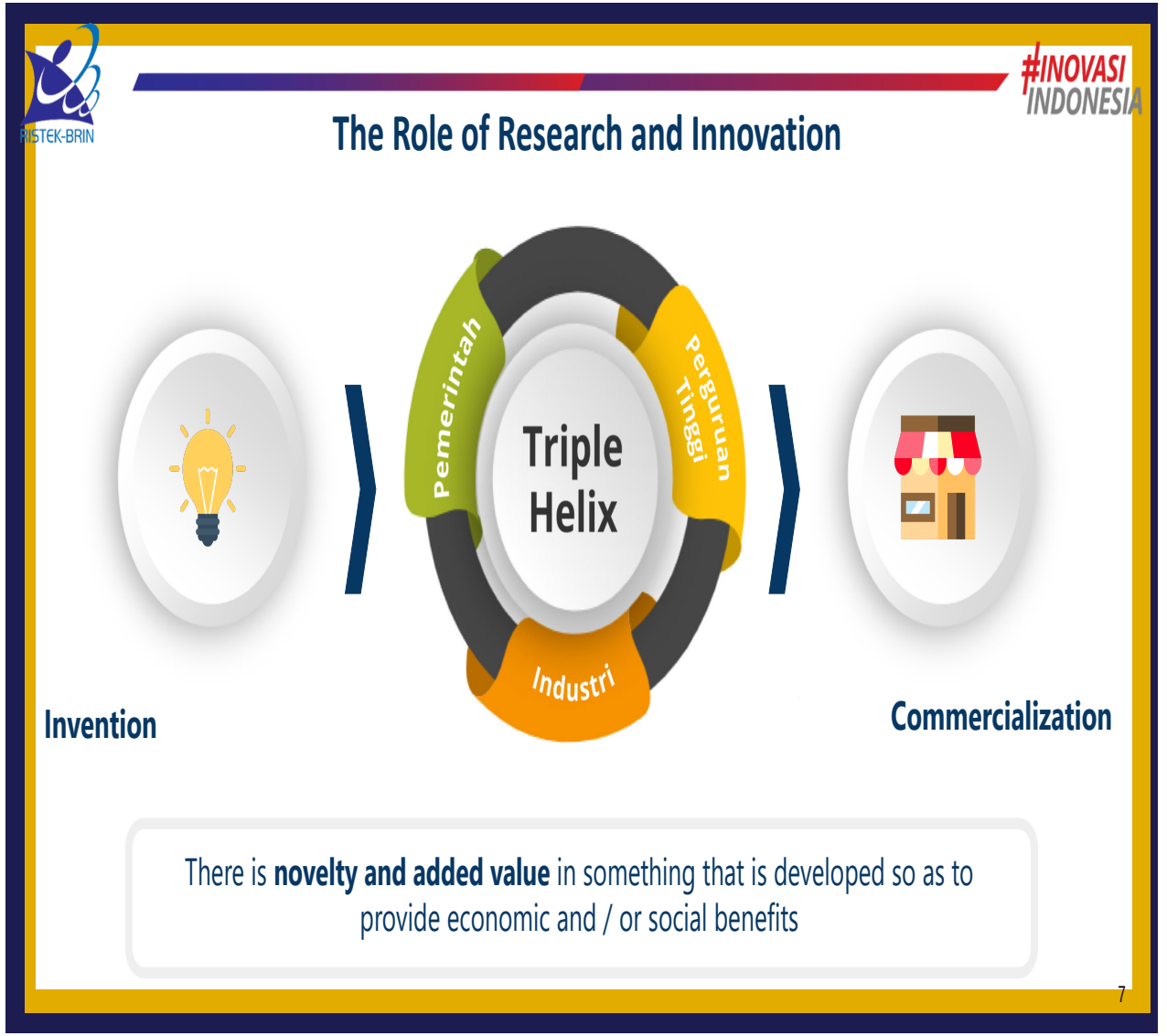
12 of 49 Focus PRN 2020 - 2024

1) **Bio-Hydrocarbon (green fuel);**
2) **Drone (Male Combatan);**
3) **Pharma. Salt Industry;**

4) Paddy, Corn, and Beef;
5) Battery for EV;
6) Sattelite Remote Sensing;
7) Indonesian Modern Medicine and Stemcell;
8) Processed Food Packaging;
9) *Flat Plate Ship Transportation;*
10) Disaster Management (EWS);
11) Social Humanities (Social Chaanges of Digital Community);
12) Airplane N219A.

Research-Innovation Death Valley





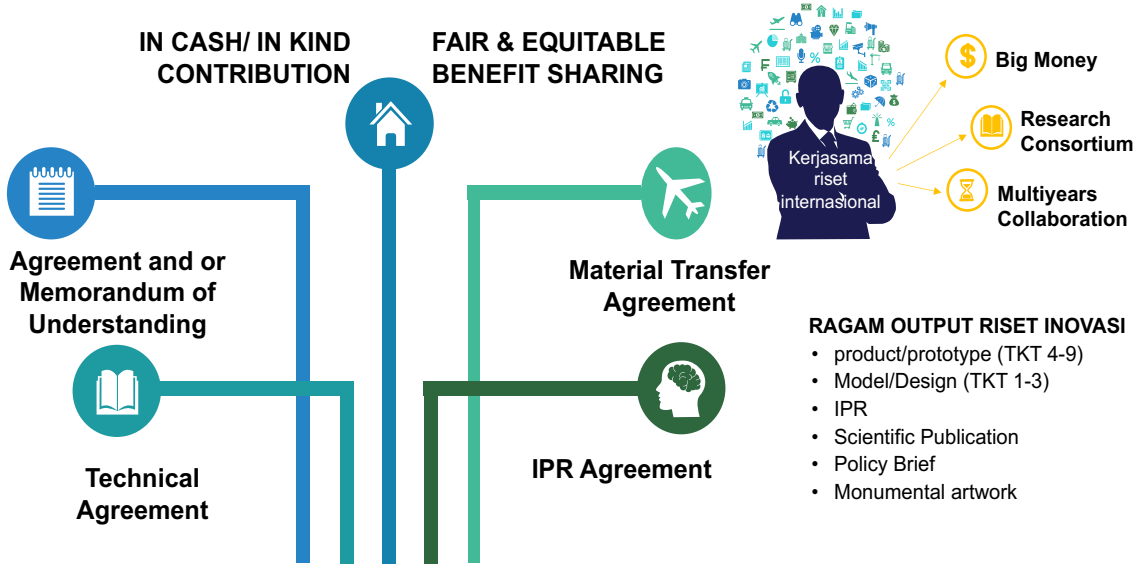
EXISTING INTERNATIONAL RESEARCH COLLABORATION FUNDED BY GOVERNMENT (BOPTN)

NUSANTARA

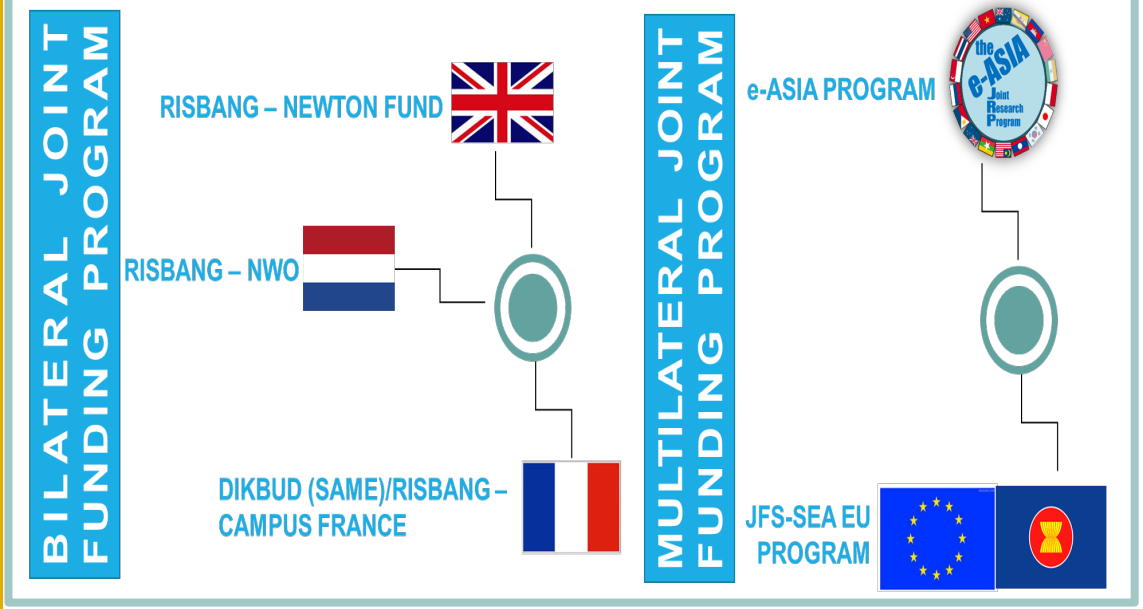
USAID
DARI RAKYAT AMERIKA

NWO
Netherlands Organisation for Scientific Research
WOTRO Science for Global Development

INSTITUTIONAL LINKS Newton Fund
BRITISH COUNCIL



KOMITMEN KERJASAMA PENDANAAN RISET INTERNASIONAL (BOPTN)



Research Consortium Proposal - Match Funding

Partnership Match Funding (Nusantara, Newton Fund, NOW, etc)

Consortium Proposal

Foreign researcher, Indonesia researcher

Match Funding for Indonesian Researcher (BOPTN)

Bilateral Joint Funding Program

BILATERAL JOINT FUNDING PROGRAM

RISBANG – NEWTON FUND

INSTITUTIONAL LINKS Newton Fund

2015 - 2016	2016-2017	2017- 2018	2018-2019	2019-2020
4 Projects ± Rp 6,7 M UK: ± 5,1 M IDN: ± 1,6 M	7 Projects ± Rp 10,6 M UK: ± 7,8 M IDN: ± 2,8 M	5 Projects ± Rp 7.2 M UK: ± 5,2 M IDN: ± 2 M	5 Projects ± Rp 7.9 M UK: ± 5,9 M IDN: ± 2 M	8 Projects ± Rp 11,5 M UK: ± 6,7 M IDN: ± 3,2 M
5 Projects ± Rp 7,9 M UK: ± 6,3 M IDN: ± 1,6 M	3 Projects ± Rp 31 M UK: ± 28,4 M IDN: ± 2,6 M	5 Projects ± Rp 11,2 M UK: ± 6,7 M IDN: ± 4,5 M	6 Projects ± Rp 36 M UK: ± 31,5 M IDN: ± 4,5 M	
2020 - 2021	2019-2021 HYDROMET-NERC	2019- 2021 WALLACEA-NERC	2019-2021 INFECTIOUS DESEASE- MRC	

USAID

DARI RAKYAT AMERIKA

RISTEK-BRIN

Partnerships

U.S. HEI Affiliate(s) → Indonesian Lead HEI → Indonesian HEI Affiliate, Indonesian HEI Affiliate → Indonesian HEI Affiliate → Government & Research Institutions; NGOs & Private Sectors

- 37 Universities
- 6 Research Centers
- 5 Local Governments
- 1 Internatonal Organization
- 12 Private Sectors
- 12 Hospitals

2/7/21 SUSTAINABLE HIGHER EDUCATION RESEARCH ALLIANCES (SHERA) 28

BILATERAL JOINT FUNDING PROGRAM

DIKBUD (SAME)/ RISBANG – CAMPUS FRANCE

RISTEK-BRIN

NUSANTARA

ELIGIBLE CANDIDATES

Indonesian side	French side
PI : Lecturers of universities under Ristekdikti with PhD >2years	Any research lab from universities, public sector research institutes, and small companies

THEMATIC AREAS

- Food Technology;
- Energy;
- Health and Medicine;
- Marine and Maritime Tech;
- Transportation Tech;
- ICT;
- Social sciences and humanities;
- Advanced material;
- Climate change and environment;
- Natural risks and disaster management

Nuclear
Defense
Military technologies

FUNDING

Indonesian side	French side
Mobility (SAME): 3 – 4 months in France	Mobility (PHC) : short-stay missions (travel and living allowances), in France or in Indonesia. Up to 120 days of mission/project/year
Research (BOPTN) : based on SBK	Research : Provided by the FR Embassy

#INOVASI INDONESIA

The Australia-Indonesia Centre

Kemitraan antara 11 universitas di Indonesia and Australia

Australian National University · Universitas Airlangga · Universitas Gadjah Mada · Universitas Hasanuddin · Universitas Indonesia · The University of Melbourne · Monash University · ITS · The University of Sydney

Dukungan Pemerintah

Australian Government Department of Education and Training · Australian Government Department of Foreign Affairs and Trade · RISTEKDIKTI

21

BILATERAL JOINT FUNDING PROGRAM

RISBANG – NWO 2019

Bidang Pertanian
ANDALAS – KITLV
INDONESIA : Rp 553,400,000
Belanda : Rp. 3,750,000,000

Bidang Water Management
UNDIP – UNIV AMSTERDAM
INDONESIA : Rp. 508,900,000
Belanda : Rp. 3,677,490,000

Bidang Pangan
UGM – UNIV AMSTERDAM
INDONESIA : Rp. 870,900,000
Belanda : Rp. 3,735,000,000

Bidang Kebencanaan
UMY – UNIV TWENTE
INDONESIA : Rp. 220.000,000
Belanda : Rp. 3,735,000,000

Bidang Sosial Ekonomi
ITB - ITC
INDONESIA : Rp 483.000.000
Belanda : 3,750,000,000

Multi Lateral Joint Funding Program

RISTEK-BRIN #INOVASI INDONESIA

MULTILATERAL JOINT FUNDING PROGRAM

e-ASIA Joint Research Program

- Formulating and supporting *international joint research projects* in the East Asian Region on the *multilateral basis*.
- Formally inaugurated on June 28, 2012.
- Prospective Member Organizations: Public funding organizations of *10 ASEAN Member countries + 8* (Australia, Japan, New Zealand, China, India, Korea, Russia, U.S.) (EAS participating countries)
- 21 Member Organizations and 1 Guest Partner from 15 Countries (as of Feb 2019)

Australia NHMRC	Cambodia MOH MIH	Indonesia RISTEKDIKTI	Japan MEXT/JST AMED	Lao PDR MOST MOH
Malaysia MESTECC Quasi-Member	Myanmar MOE	New Zealand HRC	Philippines DOST	Russia RFBR
Singapore A*STAR	Thailand NSTDA ARDA TCELS TRF	USA NIAID(NIH) NCI(NIH)	Vietnam MOST	Sri Lanka NSF Guest Partner

Alternative Energy

Disaster Risk Reduction and Management

Advanced Interdisciplinary Research towards Innovation

Agriculture (Food)

Environment (Climate Change, Marine Science)

Health Research (Infectious Diseases, Cancer)

Materials (Nanotechnology)

MULTILATERAL JOINT FUNDING PROGRAM 2020

JFS SEA-EU Program

Infectiuos Disease – Call 4

Monitoring AntiMicrobial Resistance in Agroecosystem
- Indonesia: Universitas Gadjah Mada Rp709.831.000
- Turkey: Suleyman Demirel University Rp1.800.000.000
- Vietnam: Vietnam Japan University Rp1.054.816.000
- Other: Resistomap Oy

Development and application of advanced diagnostic tools for human eosinophilic meningitis caused by Angiostrongylus cantonensis
- Czech Republic: Biology Centre of Czech Academy of Science Rp1.916.320.000
- Philippines: University of the Philippines Los Baños Rp1.606.752.000
- Thailand: Khon Kaen University Rp1.600.000.000
- Indonesia: Syiah Kuala University Rp308.590.000
- Other: University of Bari
  OptiGene Limited
  University of Sydney, Australia
  Universidad de La Laguna

Smart City– Call 4

Reputation on Blockchain for the Tourism Industry
- Turkey: Protel Bilgisayar A.S. Rp1.620.480.000
  Setur Servis Turistik A.S. Rp1.675.888.000
  Gebze Teknik Üniversitesi Rp547.536.000
- Philippines: University of the Philippines Los Baños Rp1.279.456.000
- Indonesia: Institute of Information Technology STMIK Indonesia Padang Rp189.500.000

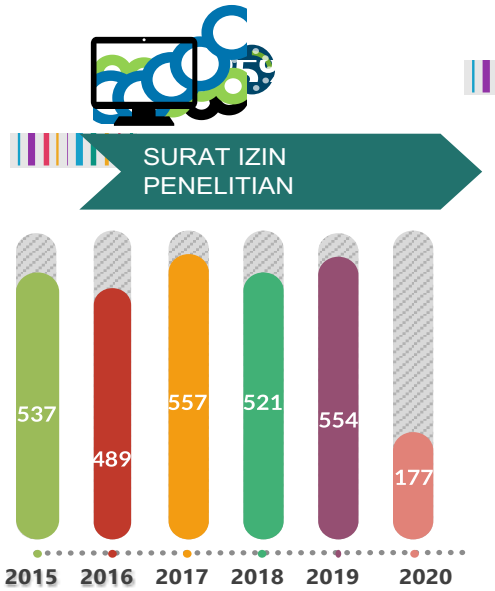
Development of smart-phone application technology to improve treatment adherence for tuberculosis patients in Indonesia
- Indonesia: Universitas Padjadjaran Rp369.975.000
- Vietnam: Ho Chi Minh City International University Rp376.000.000
- Spain: University of Alcala Rp 240.000.000
- Turkey: Ankara University Rp240.000.000
- Other : University of Groningen
  University Medical Centre Groningen

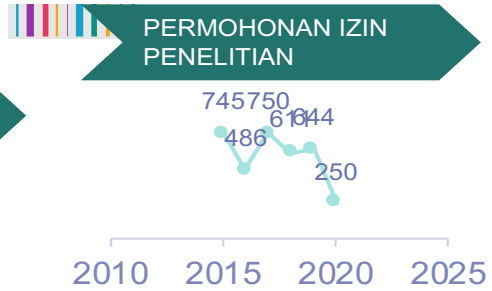
Thai_Indonesian_Czech Team for Antimicrobial Compounds
- Czech Republic: Institute of Microbiology, Czech Academy of Sciences Rp1.918.720.000
- Thailand: Walailak University Rp1.600.000.000
- Indonesia: Universitas Andalas Rp368.374.000

FOREIGN RESEARCH PERMIT

- www.frp.ristekbrin.go.id

NO	FIELD OF STUDIES/ YEAR	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
1	Life Sciences	213	210	274	247	232	283	154	261	199	199
2	Earth Sciences	166	98	77	119	110	195	135	138	116	130
3	Socio Humanity	80	71	142	82	89	73	81	119	158	161
4	Agroforestry	15	6	22	47	54	47	56	29	31	38
5	Medical + Health and Medicine	17	5	15	27	7	13	39	14	16	17
6	Engineering	8	2	14	24	20	6	24	4	1	9
	TOTAL NUMBER	491	392	544	546	512	537	489	557	521	554

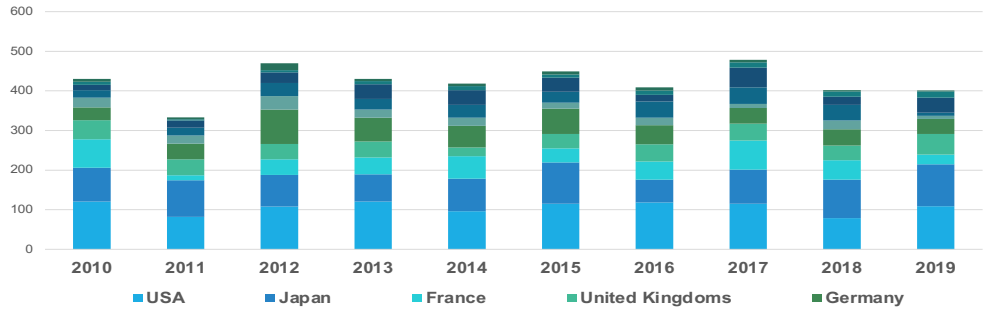




COUNTRY OF ORIGINS (2010 – 2019)

RISTEK-BRIN

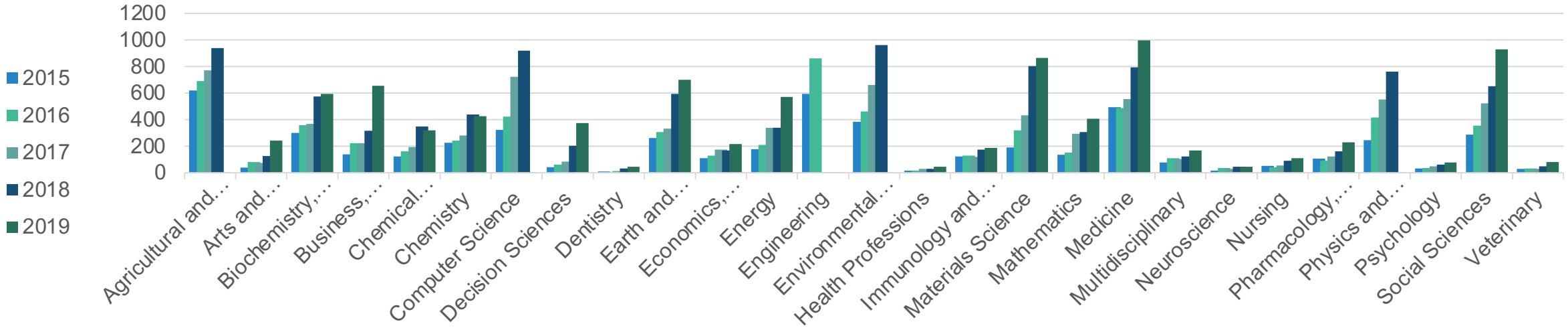
#INOVASI INDONESIA



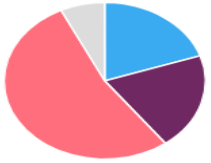
COUNTRY OF ORIGINS	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	TOTAL
USA	121	82	108	121	96	115	118	115	79	109	1064
Japan	85	92	80	68	82	104	58	86	97	106	858
Germany	32	40	87	60	55	64	48	40	41	38	505
France	72	13	39	43	57	36	46	74	49	24	453
United Kingdoms	48	40	39	40	22	36	43	42	37	52	399
China	13	18	27	37	37	35	17	50	20	38	292
Australia	19	20	33	27	33	28	41	42	40	8	291
Canada	4	6	15	16	17	13	7	7	11	6	102
Italy	8	3	5	8	10	8	11	13	14	16	96
TOTAL	402	314	433	420	409	439	389	469	388	397	4060

International Collaboration

(2015-2019)



Produce high quality and high impact indicated by higher citation number and impact



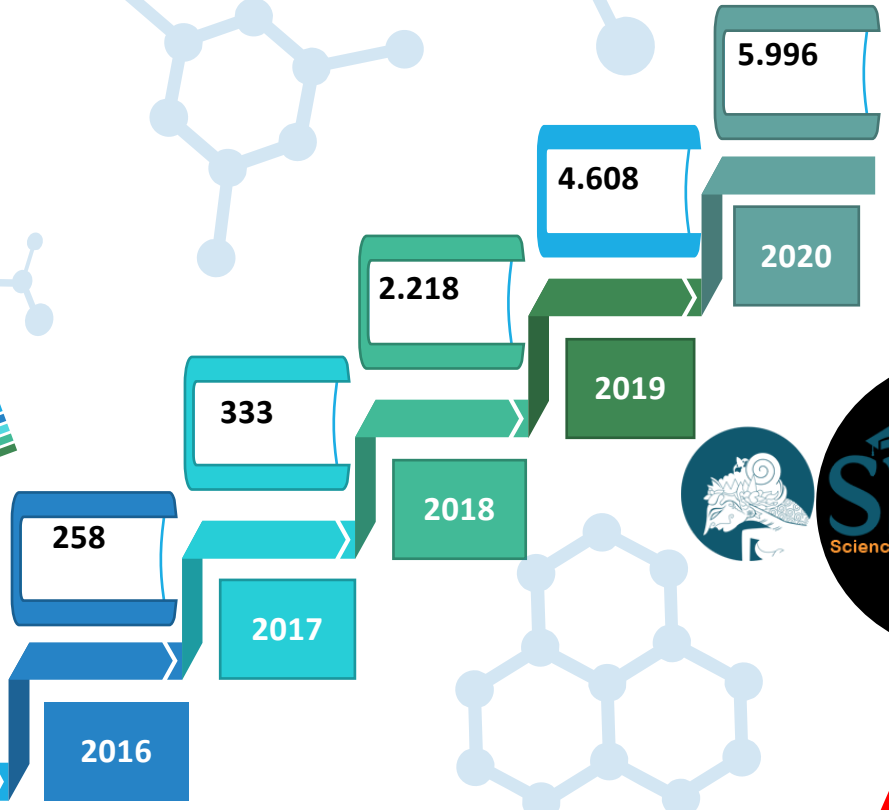
Metric		Scholarly Output	Citations	Citations per Publication	Field-Weighted Citation Impact
International collaboration	19.8%	24,396	181,404	7.4	1.48
Only national collaboration	19.9%	24,510	41,414	1.7	0.85
Only institutional collaboration	53.2%	65,408	89,168	1.4	0.78
Single authorship (no collaboration)	7.1%	8,671	11,087	1.3	0.58

Metric		Scholarly Output	Citations	Citations per Publication	Field-Weighted Citation Impact
Academic-corporate collaboration	0.7%	907	43,558	48.0	8.07
No academic-corporate collaboration	99.3%	122,080	279,515	2.3	0.87

Nationally Accredited Journals

Number of Nationally Accredited Journals from 2016 to 2020 based on SINTA

Akreditasi Jurnal Nasional Arjuna

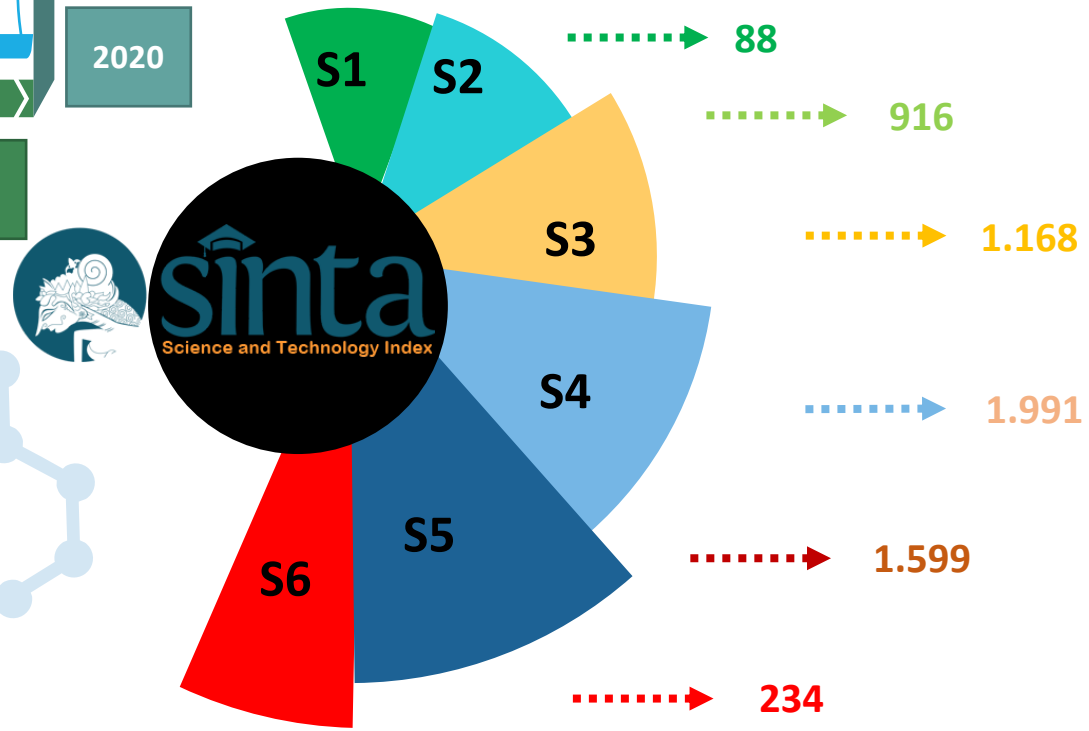


SINTA Scientic Journal Rankings

5.996

Until December 30 2020, number of accredited journals had reached 5.996.

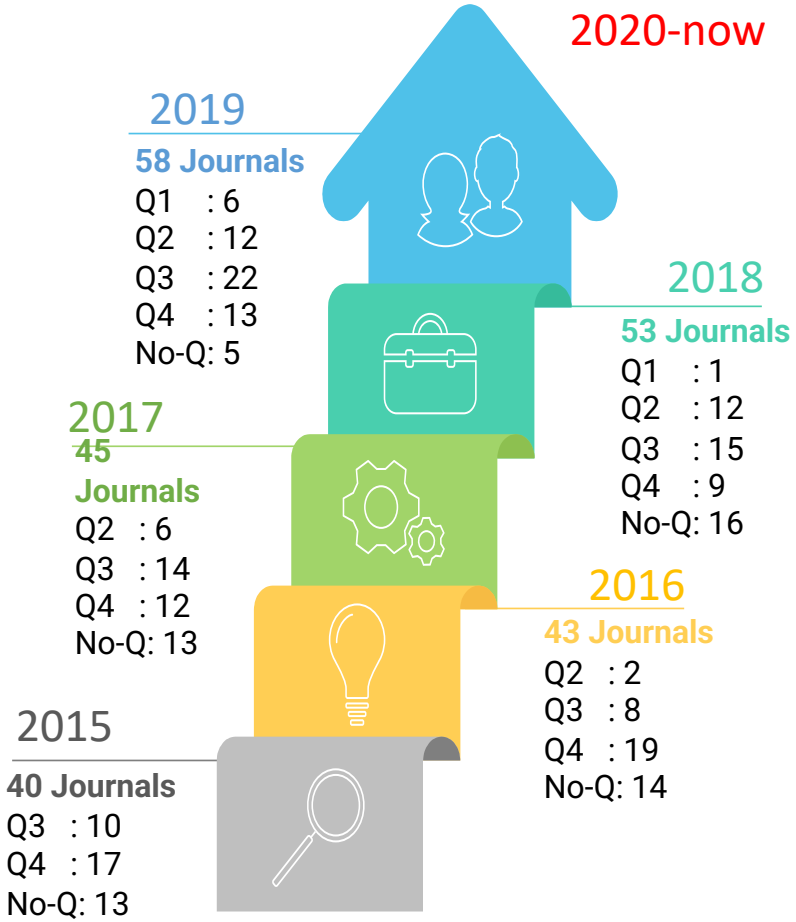
The number can be split into 6 grades. SINTA 1 (S1) : 88 Journals, S2 : 916 Journals, S3 : 1.168 Journals, S4 : 1.991 Journals, S5 : 1.599 Journala, S6 : 234 Journals.

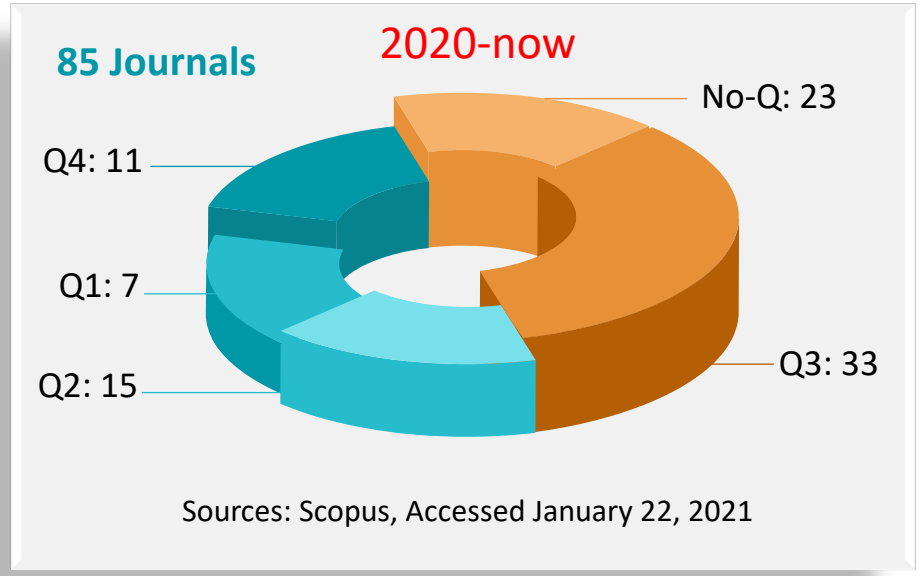


Sumber: SINTA (Science and Technology Index), SINTA - Science and Technology Index (ristekbrin.go.id)

INDONESIA SCIENTIFIC JOURNALS

INTERNATIONALLY INDEXED JOURNAL

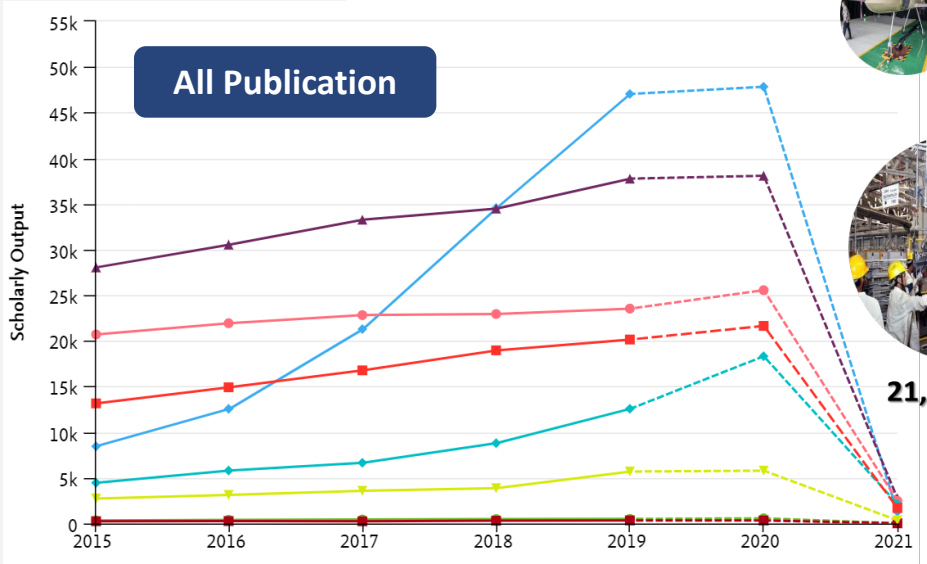


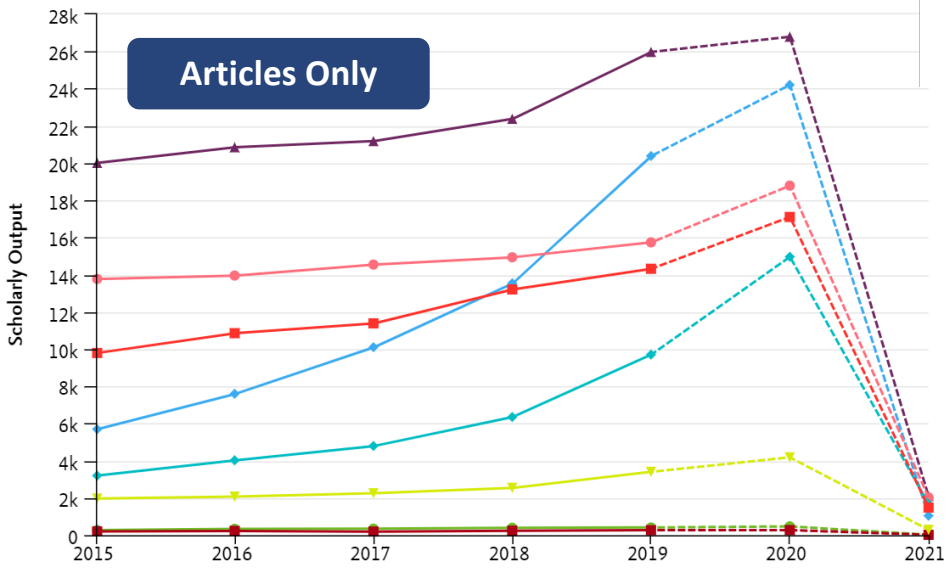


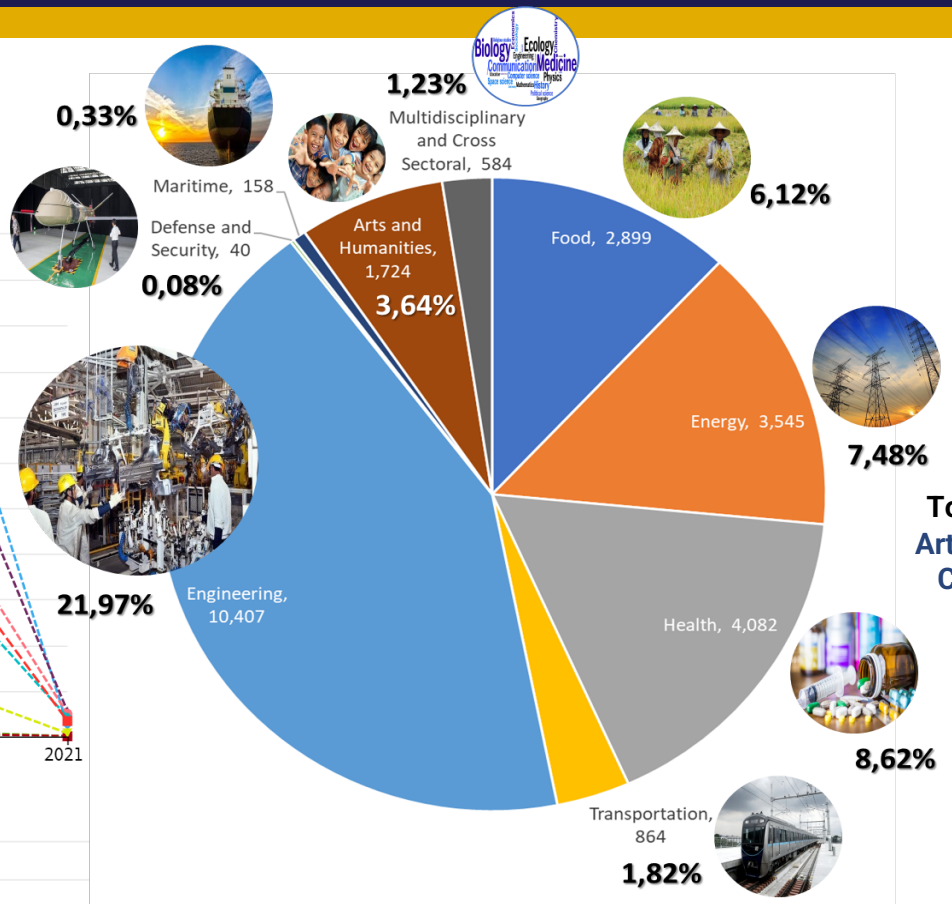
Q1 Journals	Institution
Indonesian Journal of Islam and Muslim Societies	IAIN Salatiga
Indonesian Journal of Science and Technology	Universitas Pendidikan Indonesia
Journal of Indonesian Islam	Universitas Islam Negeri Sunan Ampel
Studia Islamika	Universitas Islam Negeri Syarif Hidayatullah
Al-Jami'ah: Journal of Islamic Studies	Universitas Islam Negeri Sunan Kalijaga
Journal on Mathematics Education	Universitas Sriwijaya
Jurnal Pendidikan IPA Indonesia	Universitas Negeri Semarang

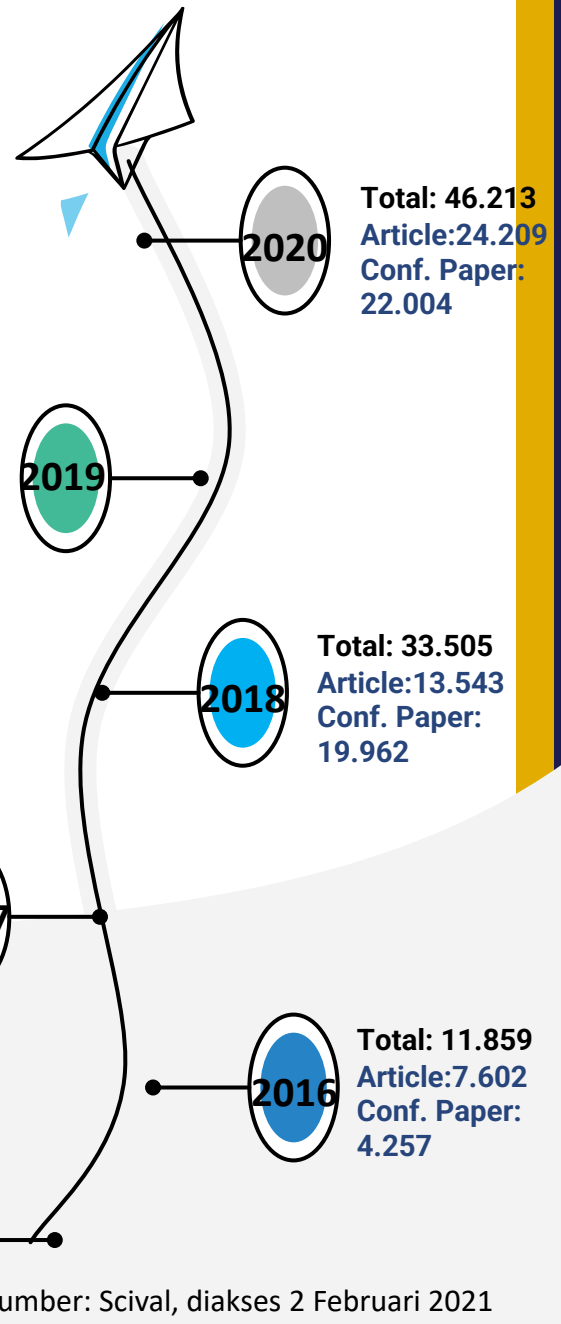
Source: Scimago, Accessed January 22, 2021

SCIENTIFIC PUBLICATION
ASEAN BENCHMARKING





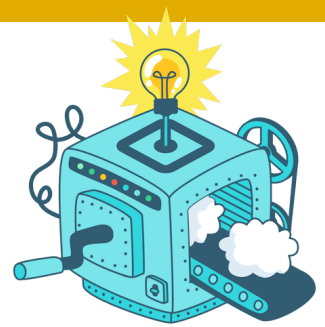


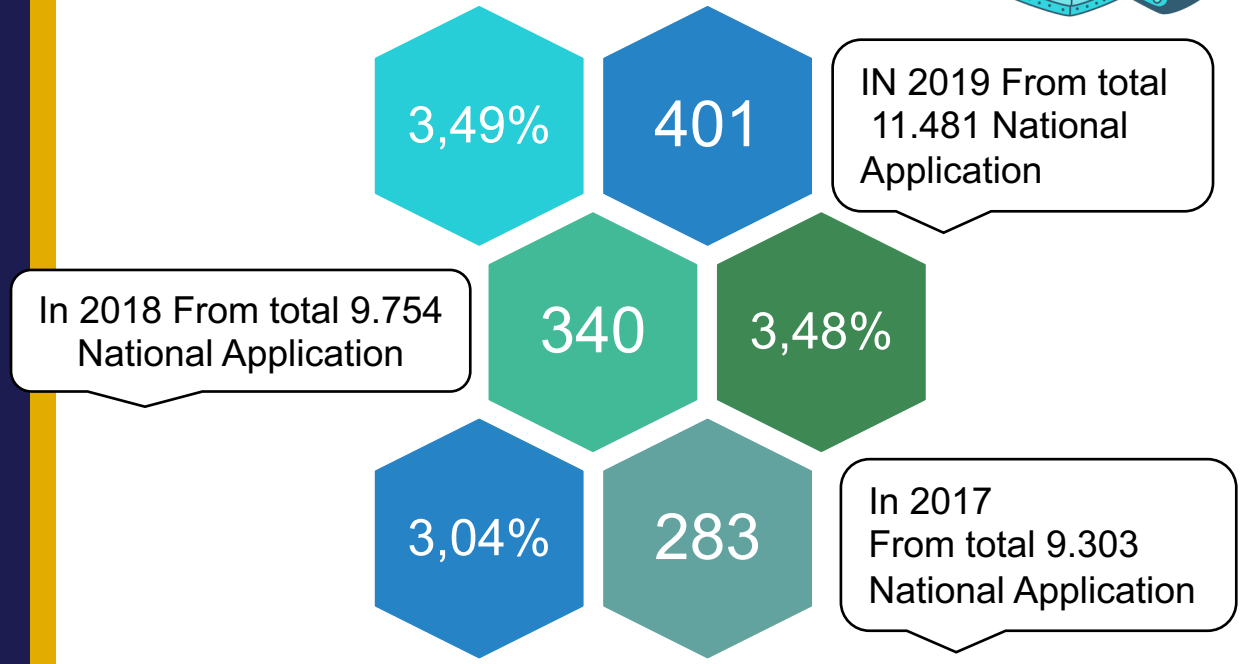


Singapore
Thailand
Viet Nam
Philippines
Cambodia
Laos

Sumber: Scival, diakses 2 Februari 2021

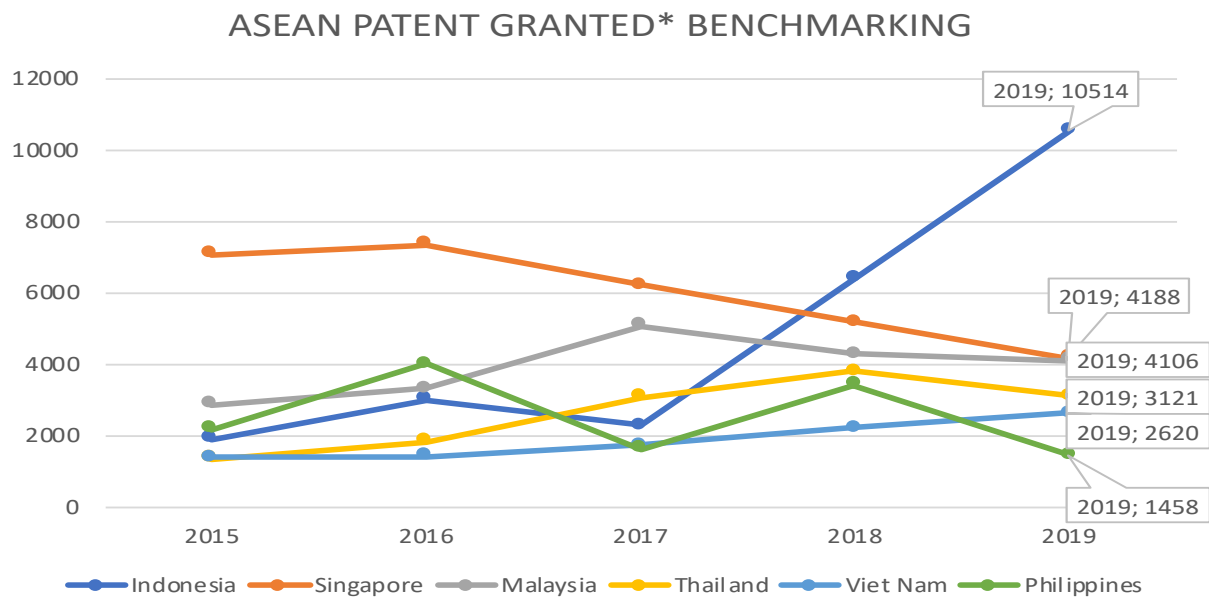
Kemenristek/BRIN Support to National Patent Application

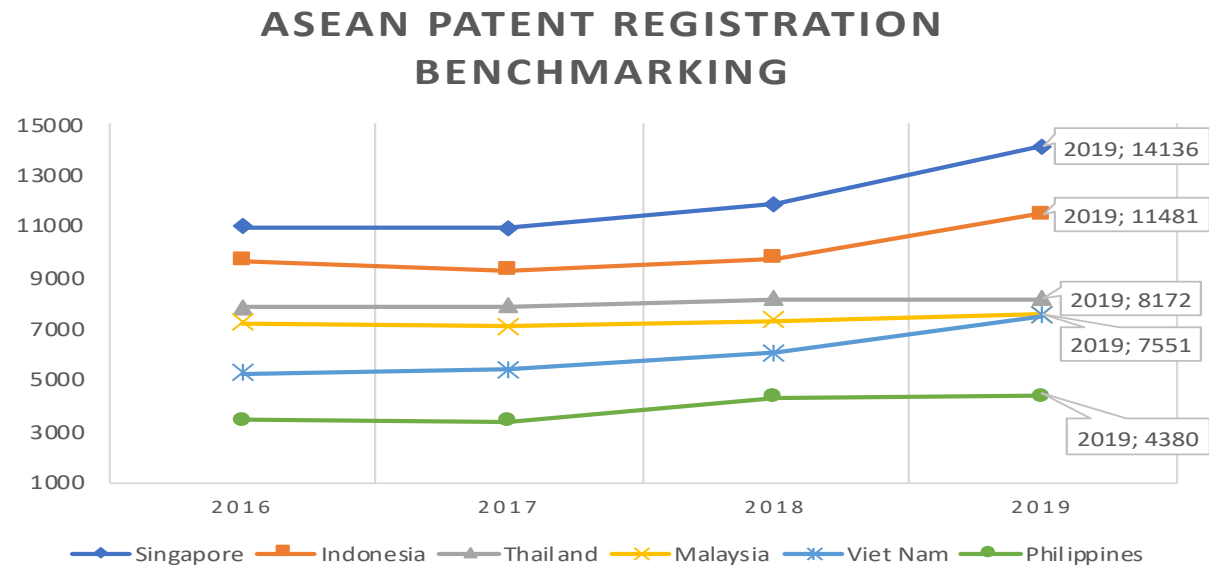




Due to pandemic, support program for patent registration in 2020 was replaced by IP Productive Incentives

Source: DGIP, Deputi Risbang
Last Update: December 2020





Source: WIPO Last Update: January 2021

Intellectual Property Productivity 2015-2019

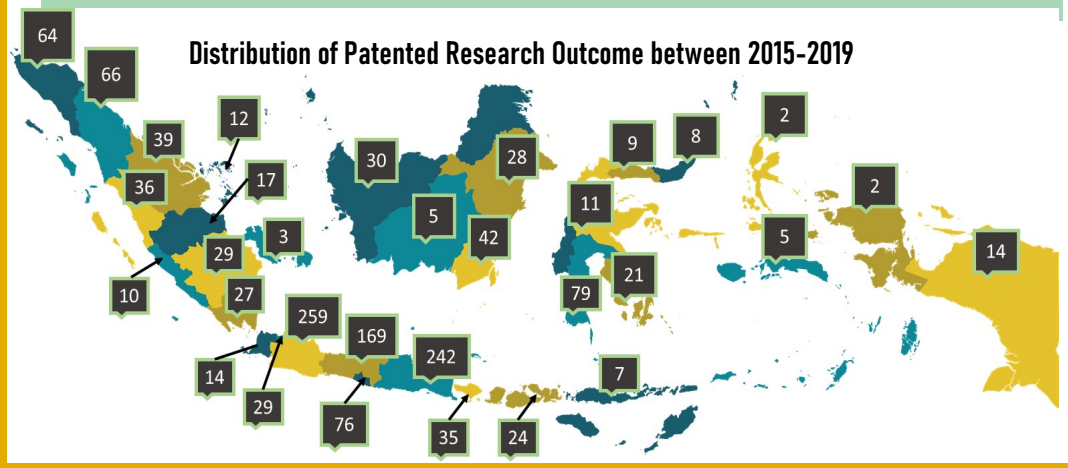
PATEN

BENTUK PT	TAHUN						TOTAL
	2014	2015	2016	2017	2018	2019	
AKADEMI	1	4	5	9	6	1	**26**
UNIVERSITAS	217	441	544	965	1329	644	**4.140**
SEKOLAH TINGGI	1	7	3	9	29	8	**57**
INSTITUT	71	77	74	91	182	82	**577**
POLITEKNIK	14	28	21	44	121	85	**313**
TOTAL	**304**	**557**	**647**	**1.118**	**1.667**	**820**	**5.113**

KRITERIA	TAHUN						TOTAL
	2014	2015	2016	2017	2018	2019	
PERGURUAN TINGGI NEGERI	277	526	553	748	839	638	3.581
PERGURUAN TINGGI SWASTA	27	31	94	369	829	182	1532
TOTAL	**304**	**557**	**647**	**1.117**	**1.668**	**820**	**5.113**

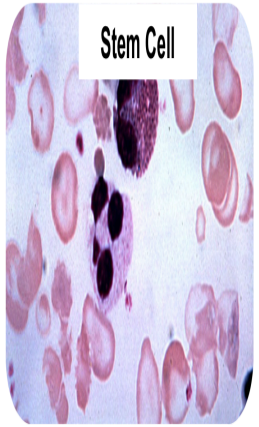
KRITERIA	TAHUN						TOTAL
	2014	2015	2016	2017	2018	2019	
PERM PATEN OLEH WNI	702	1.058	1.471	2.271	2.842	4.148	12.492
PERM PATEN OLEH PT	304	557	647	1.117	1.668	820	5.113
PERM PATEN OLEH NON-PT	398	501	824	1.154	1.174	3.328	7.379

INSTITUSI	TAHUN						TOTAL
	2014	2015	2016	2017	2018	2019	
BPPT	22	19	29	44	60	13	187
BATAN	9	7	5	17	12	6	56
LAPAN	7	7	9	20	9	38	90
LIPI	73	95	158	302	193	74	895
Balitbang Negeri	0	44	44	72	55	111	326
Balitbang Swasta	0	0	0	2	3	0	5
TOTAL	111	172	245	457	332	242	1.559



FROM LAB TO INDUSTRY

10 ribu unit dipesan, mulai di pakai di sector transportasi, sudah mendapat ijin edar, dilindungi oleh 1 paten dan 1 merk



•Mangosteen products

REPUBLIK INDONESIA
KEMENTERIAN HUKUM DAN HAK ASASI MANUSIA

SERTIFIKAT PATEN

Menteri Hukum dan Hak Asasi Manusia atas nama Negara Republik Indonesia berdasarkan Undang-Undang Nomor 14 Tahun 2001 tentang Paten, memberikan Paten kepada:

Nama dan Alamat Pemegang Paten : Balai Pengkajian Teknologi Pertanian (BPTP) Sumatera Barat
Jl. Raya Padang-Solok Km. 40 Sukarami
PO Box 34
INDONESIA

untuk Invensi dengan :

Judul : PROSES PEMBUATAN MINUMAN KESEHATAN DARI SARI KULIT BUAH MANGGIS

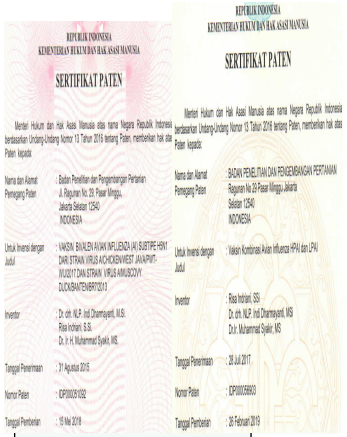
Inventor : Ir. Kasma Iswari, M.Si

Tanggal Penerimaan : 21 Desember 2006

Nomor Paten : ID P0028639

Tanggal Pemberian : 30 Juni 2011

•Vaccine for Avian Influenza



PERJANJIAN LISENSI

•Dental Product

REPUBLIK INDONESIA
KEMENTERIAN HUKUM DAN HAK ASASI MANUSIA

SERTIFIKAT PATEN

Menteri Hukum dan Hak Asasi Manusia atas nama Negara Republik Indonesia berdasarkan Undang-Undang Nomor 14 Tahun 2001 tentang Paten, memberikan Paten kepada:

Nama dan Alamat Pemegang Paten : UNIVERSITAS GADJAH MADA
LPPM UGM Gedung Pusat UGM Lt. 3 Sayap Selatan
Bulaksumur , Yogyakarta
INDONESIA

Untuk Invensi dengan Judul : METODE SINTESIS GRAFT TULANG GAMA-CHA DALAM SISTEM GELATIN TERTAUT SILANG

Inventor : drg. Ika Dewi Ana, Ph.D.

Tanggal Penerimaan : 11 Maret 2010

Nomor Paten : IDP000036890

Tanggal Pemberian : 01 Oktober 2014

•Catalyst

REPUBLIK INDONESIA
KEMENTERIAN HUKUM DAN HAK ASASI MANUSIA

SERTIFIKAT PATEN

Menteri Hukum dan Hak Asasi Manusia atas nama Negara Republik Indonesia berdasarkan Undang-Undang Nomor 14 Tahun 2001 tentang Paten, memberikan Paten kepada:

Nama dan Alamat Pemegang Paten : 1. PT. PERTAMINA (PERSERO)
Jl. Medan Merdeka Timur 1A Jakarta Pusat
INDONESIA
2. INSTITUT TEKNOLOGI BANDUNG
WRRI Jl. Tamansari No. 64 Bandung
INDONESIA

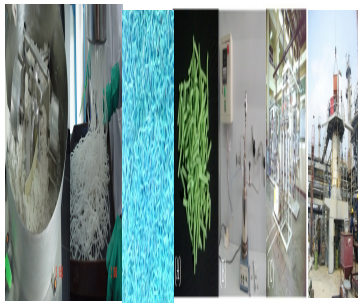
Untuk Invensi dengan Judul : KATALIS PENGOLAHAN-HIDRO (*HYDROTREATING*) YANG AKTIF PADA PENJENUHAN OLEFIN DAN PENYINGKIRAN NITROGEN DALAM UMPAN HIDROKARBON DAN PROSES PEMBUATANNYA

Inventor : Dr. Ir. Subagjo
Dr. Ir. I.G.B.N. Makertihartha
Dr. Ir. Melia Laniwati Gunawan, MS
Dr. Maria Ulfa
Evita Emaniatin P.
Rachmad Sutontro
Zarrah Duriani

Tanggal Penerimaan : 09 September 2013

Nomor Paten : IDP000037345

Tanggal Pemberian : 27 November 2014



RISET DAN INOVASI *COVID-19*

Program of Consortium for Research-Innovation of COVID-19

Prevention

- Herbal Medicine (spices, guava, orange peel)
- Vaccines dan Supplement
- Personal Protective Equipment (PPE)
  Face Shield, Powered Air Purifying Respirator, Hazmat with nanosilver/special material
- Hand Sanitizer, Disinfectant, Mobile Hand Washer, Ozone Chamber, etc.
- Public Education

Medicine and Therapy

- Multicenter Clinical Trial (Avigan, Chloroquine Phosphate, Quinine Pills, Tamiflu, Ivemercifin)
- Convalescence Plasma (Serum of cured patients)
- Serum containing antibody production
- Mesenchymal Stem Cell

Screening & Diagnosis

- Rapid Test (Early and Late Detection) based on antibody and antigen detection
- RT-PCR Test Kit
- Mobile Laboratory BSL-2

Social and Humanity

- Public Response towards COVID-19
- Government readiness to face COVID-19
- Employment Impact

Medical and Supporting Equipments

- Ventilators
- Software Data Movement
- Geospatial maps
- Medical assistant robot

Research-Innovation Consortium for COVID-19 Initiated in March 2020

Collaboration between Government, Universities, Research Institute, Industry, Diaspora, Association, and Hospital.

Peluncuran produk riset dan inovasi Konsorsium Riset dan Inovasi COVID-19 oleh Presiden RI pada 20 Mei 2020 dapat dimaknai sebagai:

Kebangkitan Inovasi Indonesia

Di masa depan, diharapkan produk-produk hasil riset dan inovasi dalam negeri dapat menjawab kebutuhan masyarakat Indonesia, **tidak hanya selama pandemi tapi juga kebutuhan jangka panjang**

TAX DEDUXTION AND E-KATALOG

Tax Holiday
Pengurangan PPh Terutang 100% (PMK 130/2020)

Mini Tax Holiday
Pengurangan PPh Terutang 50% (PMK 130/2020)

Tax Allowance
PMK 11/2020 s.t.d.t.d PMK 96/2020

Kawasan Ekonomi Khusus
PP 12/2020

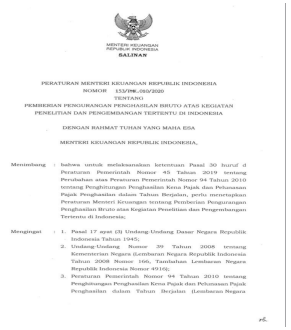
Super Deduction Vokasi
PMK 128/2019

Super Deduction Litbang
PMK 153/2020

Investment Allowance
PMK 16/2020

Fokus Sektor

- Makanan
- Farmasi, Kosmetik dan Alat Kesehatan
- Energi
- Tekstil
- Barang Modal, Komponen dan bahan penolong
- Agroindustri
- Transportasi
- Teknologi Informasi dan Komunikasi
- Logam dasar dan bahan galian bukan logam
- Pertahanan dan Keamanan
- Kimia dasar berbasis migas dan batu bara



PERATURAN MENTERI KEUANGAN REPUBLIK INDONESIA
NOMOR 153/PMK.010/2020
TENTANG
PEMBERIAN PENGURANGAN PENGHASILAN BRUTO ATAS KEGIATAN PENELITIAN DAN PENGEMBANGAN TERTENTU DI INDONESIA

DENGAN RAHMAT TUHAN YANG MAHA ESA
MENTERI KEUANGAN REPUBLIK INDONESIA,

Dasar Hukum PP 45/2019

Perubahan PP 94 Tahun 2010 tentang Perhitungan Penghasilan Kena Pajak dan Pelunasan Pajak Penghasilan dalam Tahun Berjalan

Investment Allowance (Padat Karya)

WPDN

- Industri padat karya
- Tidak mendapatkan fasilitas pasal 31A UU PPh Dapat diberikan fasilitas pengurangan penghasilan neto sebesar 60% dari jumlah penanaman modal

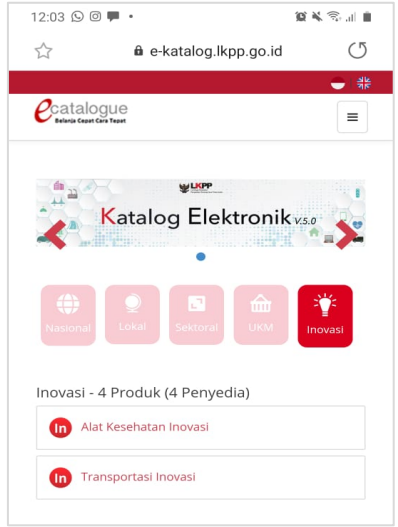
Super Deduction (RnD)

WPDN yang melakukan kegiatan penelitian dan pengembangan tertentu di Indonesia.
Dapat diberikan pengurangan penghasilan bruto paling tinggi 300% dari jumlah biaya yang dikeluarkan.

Super Deduction (Vokasi)

WPDN yang menyelenggarakan kegiatan praktik kerja, pemagangan, dan/atau pembelajaran dalam rangka pembinaan dan pengembangan sumber daya manusia berbasis kompetensi tertentu.
Dapat diberikan pengurangan penghasilan bruto paling tinggi 200% dari jumlah biaya yang dikeluarkan.

Dengan regulasi ini, industri yang melakukan kegiatan aktivitas R&D di Indonesia akan diberikan pengurangan penghasilan bruto paling tinggi 300% dari jumlah biaya yang dikeluarkan.



PROMOTE INTERNATIONAL RESEARCH COLLABORATION

JOINT RESEARCH

JOINT PROPOSAL

JOINT SUPERVISION

JOINT CONFERENCE/ WORKSHOP

JOINT PUBLICATION