

SURAT KEPUTUSAN

Nomor: 262/SK/CYS/12/2020

Perihal: Juara LPB Nasional 2020


Mengingat salah satu tujuan dari Lomba Peneliti Belia Nasional 2020 adalah untuk menyeleksi siswa untuk mengikuti lomba penelitian tingkat internasional yang bernama *International Conference of Young Scientist 2021*, *Asia Pacific Conference of Young Scientist 2021*, dan *International Conference of Young Social Scientist 2021*,


Menimbang hasil Lomba Peneliti Belia Nasional 2020 yang telah dilaksanakan oleh Center for Young Scientists pada tanggal 22 Oktober 2020 sampai 30 November 2020,


Memutuskan nama-nama di bawah ini sebagai pemenang Lomba Peneliti Belia Nasional 2020 dan berhak untuk mengikuti Seleksi Tim Indonesia 2021.


Bidang	Penghargaan	Judul Penelitian	Nama Peneliti 1	Nama Peneliti 2	Sekolah
Computer Science	Gold Medal	AUDITE (Smart shoes for blind people)	Muhammad Farhan		SMA Negeri 3 Bogor
Computer Science	Silver Medal	Decimal Expansion from the Difference of Two Irrational Roots	Kinglouis Steven Tantra		SMA Santo Aloysius 1 Bandung
Computer Science	Bronze Medal	Automatic Identification of Natural Pigment by Using Arduino Uno Microcontroller	Putri Larasati Leksono	Ghitha Nadhira Azka Rahiemy	SMA Negeri 3 Bandung
Computer Science	Special Award	Smart Eye : Smart System for Detecting Mask Usage and Body Temperature for The New Normal Era	Muhammad Rizky Perwira Zain		SMA Negeri 5 Surabaya
Computer Science	Special Award	Spelling Bee for Blind People	Putri Annisa Tyara Anggie		SMA Negeri 5 Surabaya





Bidang	Penghargaan	Judul Penelitian	Nama Peneliti 1	Nama Peneliti 2	Sekolah
Computer Science	Special Award	Development of Deep Learning Object Detection on CCTV for Physical Distancing Violation Detector in the Era of New Normal	Rahma Alya Farhani	Fadhil Yudha Fakhruhin	SMP Islam Al-Azhar 26 Yogyakarta
Computer Science	Special Award	Artificial Intelligence as Covid-19 Early Detection based of Convolutional Neural Network	SONA REGINA SALSABILA	AZIZAH AULIANI RAHMA	SMA Negeri 1 Yogyakarta
Economics	Gold Medal	Stock Investment Opportunities in the New Normal Era	Nathaniel Bryan Sanyoto		Cita Hati Senior School West campus
Economics	Silver Medal	Crisis Against Crave: A Projection of Anomalies Within Retailed Coffee's Elasticity Assessment	Jason Ray Wihardja		Cita Hati Christian School West Campus
Economics	Bronze Medal	Virtual Tourism: A Solution of Boredom and Tourism Industry Helper During COVID-19 Pandemic	Sonia Huvi	Kaylee Adeline Thamtoro	SMP Cita Hati Christian School
Economics	Special Award	The Effect of the Implementation of Information Technology-Based Credit by Fintech to Micro, Small and Medium Enterprises in Indonesia on the Income They Earn	NI MADE MEIDA PURITASARI	NI KOMANG ARI PRAWITA	SMA Negeri 1 Tabanan
Economics	Special Award	The Impact of Covid 19 to Kliwon Traditional Market Traders' Economy, distict of Temanggung	Shakira Alaeida Fasha	Shafira Amalia Fatma	MTs Al-Mu'min Muhammadiyah Tembarak Temanggung
Economics	Gold Medal	Comparative Analysis of The Impact of COVID-19 With The Bali Bombing Tragedy 1 Towards The Tourism Sector of Bali Economy	Nyoman Rafael Theda Orvala	Putu Divakara Mataram	SMA Negeri 4 Denpasar 
Environmental Science	Gold Medal	Theobroma cacao: The Novelty of Blopackagings	Carina Jane Winoto		SMA Cita Hati Christian School Surabaya
Environmental Science	Silver Medal	"ECo-SNap" (Environmental Coffee Sanitary Napkin): Investigation of Utilizing Spent Coffee Ground in Sustainable Sanitary Napkins	Ng Shu Xuan	Nicole Nathania Budiman	Sekolah Pelita Harapan Sentul City

Bidang	Penghargaan	Judul Penelitian	Nama Peneliti 1	Nama Peneliti 2	Sekolah
Environmental Science	Bronze Medal	Development of Biodegradable Nanofiber Medical Mask From Crab shell's (<i>Portunus pelagicus</i>) Chitosan and Corn Cobs (<i>Zea mays</i>) Cellulose	Justin Jonany	Alden Christian	SMA Santa Laurensia Tangerang Selatan
Environmental Science	Special Award	Anti-Fungal Dalang Glasses: Utilization of Coffee Pulp (<i>Coffea</i>), Sugarcane Pulp (<i>Saccharum officinarum</i> L.), Lime Peels (<i>Citrus aurantiifolia</i>), and Seaweed Powder (<i>Eucheuma</i>) as Recycled Glass that is Environmentally Friendly and Anti-Fungal	Ni Made Nami Krisnayanti	I Gusti Ngurah Bagus Picessa Kresna Mandala	SMA Negeri 3 Denpasar
Environmental Science	Special Award	Effectiveness of Single-use Mask Waste on Reducing Phosphate Level in Household Liquid Waste	Joy Valeria Rahardja	Elgine Theo Thamtoro	SMA Cita Hati Christian School
Environmental Science	Special Award	THE POTENTIAL UTILIZATION OF PROPAGULES of <i>Bruguera gymnorrhiza</i> in the MAKING and CHARACTERIZING OF EDIBLE FILM WITH THE VARIATION OF CMC and GLYCEROL AS A PLASTICIZER	Rania Alifia Otman	Ashira Saraswati Renaldi	SMA GARUDA CENDEKIA
Environmental Science	Special Award	The Use of Ground Peanut (<i>Arachis Hypogea</i>) Coat as A Component of Friendly Environment Tissue Paper	Beatrice Andreanna Wijaya		SMAK 1 BPK PENABUR Bandung
Environmental Science	Special Award	Utilization of Corn Husks and Andaliman Seeds Extract as Alternative Materials for Making Eco-Friendly Whiteboard Marker Ink	Amanda Christie Tarigan	Ruth Vanessa Simatupang	SMA UNGGUL DEL
Environmental Science	Special Award	The Effectivity of Water Hyacinth (<i>Eichhornia crassipes</i>) Based Adsorbent with Combination of Tamarind (<i>Tamarindus indica</i>) Seed Based Coagulant in Mercury Contaminated Water	Rachel Celline Saputra	Raymonk Surya Onggowarsito	Santa Laurensia Alam Sutera
Geography	Gold Medal	Photovoltage Potential Analysis And Visualisation Study Case: Analysis Of Solar Energy Potential in 3D Building Modeling Based On Open Street Map Data In Zero Kilometer Area Of Yogyakarta	GILANG CAHYA NUSANTARA		SMA Negeri 2 Wonosari 

Bidang	Penghargaan	Judul Penelitian	Nama Peneliti 1	Nama Peneliti 2	Sekolah
Geography	Silver Medal	Tsunami Loss Impact Analysis in The Stream of Tukad Mati (The River That Crosses The Denpasar City and Badung Regency)	Ni Putu Diva Iswarani	Ni Made Galuh Cakrawati Dharma Wijaya	SMA Negeri 3 Denpasar
Geography	Bronze Medal	BETWEEN AGRICULTURAL BEHAVIOR, ENVIRONMENTAL CONSERVATION, AND DISASTER MITIGATION (Analysis of Disaster Mitigation Contingency Plans through Concept Geospatial to Reduce Disaster-Prone Vulnerability in Mount Merbabu Slope Area)	ANDIKA EKA NUGROHO	EDDI PRAYITNO	SMA Negeri 1 Teras
Geography	Special Award	Ecobrick as Stones Replacement on the Bronjong Stone System to Prevent Abrasion, Case Study at Abian Kapas Beach, Beraban Village, Selemadeg Timur, Tabanan	Ni Putu Ayu Gita Suwandewi	Ni Putu Mita Kusuma Putri	SMA N 1 Tabanan
Geography	Special Award	Efforts to Reduce The Impact of Downstream Flooding by Analyzing The Sedimentation Distribution Pattern of Blorong River	Raya Nirwanawati	Helda Putri Dianjani	SMA Negeri 1 Kaliwungu
Geography	Special Award	Utilization of Tectonic Earthquake Model for Improving Natural Disaster Response of the Student of Mutiara Bunda Senior High School	Titan Ramadayanti	Pranata Sukma Senoaji	SMA Mutiara Bunda 
Geography	Gold Medal	The Crescent Moon Over Castle: Historical Account of Tolerance Among Moslem's and Hindu's Kingdom in Karangasem Bali	Karang Jimbaran Setyatrсила		SMP Islam Al Azhar 26 Yogyakarta
Geography	Silver Medal	The Process of Walikan Malang Language Formation	Naysilla Dewinta		MTs. Terpadu Ar-Roihan Lawang Malang
Geography	Bronze Medal	Srowolan : Heroic Market (Pasar Perjuangan) During Physical Revolution Era	Kania Azaliaputri Tofani	Azalia Zahira Zohar	SMA Budi Mulia Dua Yogyakarta

Bidang	Penghargaan	Judul Penelitian	Nama Peneliti 1	Nama Peneliti 2	Sekolah
Geography	Special Award	Nasi Jangkrik' in the Buka Luwur Sunan Kudus Tradition as a Symbol of Religious Moderation	Maylaffahzya	Sabrina Khairunisa	SMA Negeri 2 Kudus
Geography	Special Award	RUU HIP (Haluan Ideologi Pancasila): Studi About Public Perception and Understanding Of The Community Strengthening The Ideology Of Pancasila In Boyolali	Cahya Ajima Fal Si	Nabila Desiria Putri	SMA NEGERI 1 TERAS
Geography	Special Award	THE RADIO MONUMENT OF PHB AURI PC-2 PLAYEN AND THE RECOGNITION OF REPUBLIC OF INDONESIA SOVEREIGNTY	ANNIDA FAUZIAH AHMAD WIDJOJONO		SMAN 2 WONOSARI GUNUNGKIDUL
Life Sciences	Gold Medal	The Role of Crassostrea sp. as An Alternative Core Material in Bone Grafts	Marc Matthew Khorey	Florenzia Stella	SMAK 1 Penabur Jakarta
Life Sciences	Silver Medal	Antioxidant and Anti-Inflammatory Potential of Microcrystalline Cellulose (MCC) from Nata de Coco as Alternative Raw Material for Hernia Mesh	Elizabeth Andrea Yusuf	Kelila Karenza Kumala	SMA Santa Laurensia Alam Sutera
Life Sciences	Bronze Medal	AntiNeptic: Creation of An Organic Antibacterial Wound Spray through Enhancement of Nepenthesin Enzyme from Nepenthes under Different Concentrations of Calcium Chloride	Amrita Wikara	Maria Dyandra Dagna Sucianto	Sekolah Pelita Harapan Sentul City (SPH SC)
Life Sciences	Special Award	Antiangiogenic Effects of Ananas comosus against Chorioallantoic Membrane of Chick Embryo	Zhafira Mafaz	Afra Majida Hariono	SMA Negeri 3 Yogyakarta
Life Sciences	Special Award	Bio-Based Raw Materials: Potential Components of New Normal Antimicrobial Facial Tissue Paper	Cheryll Fidelia Soedjono		SMA Cita Hati Christian School West
Life Sciences	Special Award	Development of Coconut Fruit (Cocos nucifera) Mesocarp Material Filter for Pollutant Gas	Darrell Ariel Saiman	Steven Gerald	SMAK 1 BPK Penabur Bandung
Life Sciences	Special Award	ELADE : DIVERSIFICATION OF NATURAL FISH FEED TO ACCELERATE GROWTH RATE AND PREVENT PARASITES IN CATFISH (Clarias sp.)	Diah Dewi Aryani	Lutvi Aulia	SMA Negeri 1 Kaliwungu 

Bidang	Penghargaan	Judul Penelitian	Nama Peneliti 1	Nama Peneliti 2	Sekolah
Mathematics	Gold Medal	A Quantitative Fractal Dimension Model of Virus Nanostructure for Fatality Rate Projection	Nicole Charmayne Ilham	Kayven Claus Satrio	SMA Cita Hati Christian School West
Mathematics	Silver Medal	Fractal Dimension to Determine the Existence of Formalin and Borax in Soybean Curds	Jesselyn	Ella Yovita Suwibowo	SMA Cita Hati Christian School Surabaya
Mathematics	Bronze Medal	The Correlation of Prevalence Rate to the Efficiency of the Number of COVID-19 Swab Tests using Pool Test Method	Mira Karenina		SMP Nation Star Academy Surabaya
Mathematics	Special Award	The Absolute Win: Application of Statistical Pattern in 24-Cards Game	Jayson Santoso		SMP Cita Hati Christian School West
Mathematics	Special Award	The Fibonacci Pattern of Blood Shells (Anadara granosal) as the Concept of Dams Rob's Flood Preventive In Coastal Areas	Dian Putri Ariyani	Shinta Muhadiva Aisyah	SMA Negeri 1 Kaliwungu
Mathematics	Special Award	The Implementation Mathematics Concept of Non-Linear Anisotropic Diffusion for Image Reconstruction in CT Scan	ANGELINE SHARON		SMA MERLION SCHOOL SURABAYA
Physics	Gold Medal	Make Indonesia as World's Best Sky Observer	Kaladeo Petrananda		PKBM Piwulang Becik
Physics	Silver Medal	Water Filtration : An Experimental Study of Modified Membrane	Angeline Felisca Tanujaya	Yosua Suwardi	SMA Santa Laurensia
Physics	Bronze Medal	Fraunhofer Diffraction Method to Determine The Exponential Decay Factor of Under-Damped Harmonic Oscillatory System	Althea Rahmania Fitri		SMP Negeri 1 Surabaya 
Physics	Special Award	Analysis of Energy Outputs from Small Scale Microbial Fuel Cell Technology	Jordan Adelio Iliusaputra		SMA Cita Hati Christian School West Campus
Physics	Special Award	Application of Simple Magnetic Suspension on Washing Machine	Trinadia Kurniasari		SMA Negeri 3 Bogor

Bidang	Penghargaan	Judul Penelitian	Nama Peneliti 1	Nama Peneliti 2	Sekolah
Physics	Special Award	The Adhesive Strength of Egg Yolk as an Organic Glue on different materials	Vincentius Alfred Lunardhi		SMA Kristen Cita Hati East Campus
Physics	Special Award	Utilization of Natural Ingredients as a Sufficient Artificial Alcohol in Traditional Embodied Whiteboard Marker Ink	Josefine Celka Tanujaya	Jasminne Audrey Djaya	SMP santa laurensia
Psychology	Gold Medal	The Racism Fight: The Role of "Gatekeeper" Modelling in Preventing The Development of Racial Discrimination Behavior in Adolescents	Sherleen Lenita Kurniawan	Freya Alexis Shen	SMA Cita Hati Christian School West
Psychology	Silver Medal	Praxiology of Adolescence: An Analysis on Social Connectedness and Dishonorable Human Values	Kevin Tandra		SMA Cita Hati Christian School West
Psychology	Bronze Medal	The Effect of Implementing Official Religious Advisory on Reducing Anxiety Level in Balinese Hindus Towards The Risk of COVID-19 Transmission	Ni Putu Devi Maheswari	I Wayan Putu Adi Triguna	SMA Negeri 4 Denpasar
Psychology	Bronze Medal	The Effectiveness of Psychology First Aid (PFA) Approach for The Growth of Teenagers' Psychosocial Awareness During the COVID-19 Pandemic	Harleynthia		SMAK 1 BPK Penabur Bandung
Psychology	Special Award	Effectiveness of Virtual Group Work in Enhancing Student Engagement in E-Learning	Beatrice Santoso		SMP Kristen Intan Permata Hati
Psychology	Special Award	Identification of Stress Factors Among SMAN 2 Kota Tangerang Selatan Students During School From Home	Adi Wira Pratama		SMAN 2 Kota Tangerang Selatan
Psychology	Special Award	Sleepless in Quarantine: The Correlation of Increasing Insomnia Cases Towards Individual Live Satisfaction During COVID-19 Pandemic in Adolescents	Shannon Lenita Kurniawan		SMP Cita Hati Christian School West 
Sociology	Gold Medal	Family Resilience Faces A New Normal	Serlina Ernestine Azaria		Cita Hati Christian School West Campus

Bidang	Penghargaan	Judul Penelitian	Nama Peneliti 1	Nama Peneliti 2	Sekolah
Sociology	Silver Medal	Xenophobia towards Chinese Society in Indonesia due to Local Citizens' Misperceptions Regarding the Coronavirus	Davina Nadine Tanaya	Loretta Adella Chang	SMP Santa Laurensia
Sociology	Bronze Medal	THE SOCIAL MEDIA INSTAGRAM USAGE TRIGGERS THE CHANGE OF TEENAGERS' LIFESTYLE TO BE HEDONISM	Melvina Dwi Tamara	Tia Melinda Putri	SMA Negeri 1 Palembang
Sociology	Special Award	The effect of the shifting pattern of social interaction during the covid-19 pandemic on the potential changes in Surabaya's collectivist culture.	Marcelino Steven Wahyudi	Jose Gonawan	SMA Cita Hati Christian School Surabaya
Sociology	Special Award	The implementation of Media " Si JADOL" to Increase Ethical Awareness of Social Media Usage for Students Grade XII at Madrasah Mu'allimaat Muhammadiyah Yogyakarta	Elmira Vania Fandi	Alyaun Nuha As Subhan	Madrasah Mu'allimaat Muhammadiyah Yogyakarta
Sociology	Special Award	The Influence of Children Imitating Parents Behavior for their relationship	Aisha Iqlima Giandra	Azizah Tiara Alvionita	SMA Negeri 3 Bogor
Sociology	Special Award	The Influence of Online Comics in Resolving Social Conflict	Marsha Nurizka Firajati	Suci Ayu Kurniasih	SMA Negeri 3 Bogor
Sociology	Special Award	The Use of Kahoot to Improve Students' Interest in Learning Multicultural Society in The Case of XI Online Classes Graders	Visanti Choerunnissa	Zamrotul Fuadiyah	SMA Negeri 1 Kejobong

Keterangan Penghargaan:

1. Gold Medal setara dengan Juara 1
2. Silver Medal setara dengan Juara 2
3. Bronze Medal setara dengan Juara 3
4. Special Award setara dengan Juara Harapan.



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Apabila di kemudian hari terdapat kesalahan pada Surat Keputusan ini, maka akan diperbaiki sesuai dengan ketentuan yang berlaku.
Demikian Surat Keputusan dibuat untuk digunakan sebagaimana mestinya.

Denpasar, 5 Desember 2020

Monika Raharti, Ph.D.
Direktur CYS