7th ICENIS 2022

INTERNATIONAL CONFERENCE ON ENERGY, ENVIRONMENT, EPIDEMIOLOGY, AND INFORMATION SYSTEM

THEME: *"Reconciliation of Energy, Environment, Health, and Digital Information after The Covid-19 Pandemic for Global Prosperity"*

Tuesday - Wednesday
August, 9th - 10th 2022

School of Postgraduate Studies
Diponegoro University
Diversity in Sciences, Unity in Impact

BOOK OF ABSTRACTS

7th ICENIS 2022
International Conference on Energy, Environment,
Epidemiology, and Information System
August, 9th – 10th 2022
Semarang – Indonesia
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WELCOMING SPEECH AND OPENING RECTOR OF DIPONEGORO UNIVERSITY

Honorable Keynote Speakers, Prof. Dr. Lee Lam Hong from Quest International University Malaysia; Prof. Henk Heijnis from Australia Nuclear for Science and Technology (ANSTO); Prof. Alfonso J. Rodriquez-Morales from Institucion Universitaria vision de las Americas, Colombia; Dr. Remco van Merm from IUCN, Switzerland; Dr. MV Venkatashamy Reddy from Institute of Research Hydro-Quebec, Montreal, Canada; Dr. A.T.P.G. van Engelenhoven from University Lecturer Southeast Asian Linguistics, Faculty of Humanities, Leiden Institute for Area Studies SAS Indonesie ; Prof. Dr. Tri Retnaningsih Soeprobowati, M.App.Sc from School of Postgraduate Studies, Undip, Indonesia; All conference guests and participants

Ladies, and Gentlemen,
It is my great honor to welcome you to the 7th International Conference on Energy, Environment, Epidemiology and Information System (7th ICENIS 2022). This is the seventh international conference organized by the School of Postgraduate Studies Diponegoro University following the success of 1st ICENIS 2016, 2nd ICENIS 2017, 3rd ICENIS 2018, 4th ICENIS 2019, 5th ICENIS 2020, and 6th ICENIS 2021. With its remarkable accomplishment, this event is expected to be performed annually. We are very much support this prestigious conference which is attended by more than 200 participants.

Diponegoro University (UNDIP) is a prominent university located in Semarang, the capital of Central Java. Undip has a strong tradition to carry out Education and Research as well as community services. The university has eleven Faculties and two schools which are School of Postgraduate Studies and School of Vocational Studies. We are also organizing 49 Undergraduate Programs, 35 Master Programs, and 14 Doctoral Programs.

UNDIP is one of the most well-known state universities in Indonesia with an international reputation for its teaching and research activities. In July 2021 Undip ranked 8th in Indonesia according to QS World University Ranking and ranked 9th in Indonesia in the QS Asian University Ranking. Undip scientific publications indexed in Scopus totalled 7790 documents and ranking 7th in Indonesia, Undip Scientific Publications indexed in Scopus (31 Januari 2020).

Ladies and Gentlemen,
The topic of the conference this year is Reconciliation of Energy, Environment, Health, and Digital Information after The Covid-19 Pandemic for Global Prosperity. This topic is very important since human security has been considered as the basic need for a country. The security in food, energy, water as well as health are the foundation of the country. The country must ensure that these needs are covered and secured for country populations and through Sustainable Developments Goals (SDGs) stated by United Nations, these human securities must be covered by each countries in the world.

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Currently we are facing global challenges, not only the depletion of natural and energy resources, environmental degradation, but also pandemic COVID-19 which is currently major health problems which needs to be tackled by every country in the world. It is our responsibility to develop better. I hope this conference will be an excellent platform to strengthen our concern and effort in confirming sustainable development for future human security.

Through this conference, I hope experts and researchers from all over the world could meet and share their experiences and knowledge to have explicit understanding regarding the complexity of the problems. I also hope this conference will present a memorable learning experience to all contributors and participants. It is expected that papers presented in this conference are documented for our future reference and encourage further research in relevant areas.
Thank you

Prof. Dr. Yos Johan Utama, SH, M.Hum
Rector

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WELCOMING SPEECH DEAN OF SCHOOL OF POSTGRADUATE STUDIES DIPONEGORO UNIVERSITY

Distinguished Guests, Ladies, and Gentlemen,

It is my pleasure to welcome everyone to the 7th International Conference on Energy, Environment, Epidemiology and Information System (7th ICENIS 2022) organized by the School of Postgraduate Studies Diponegoro University.

This international conference is a part of conference, seminars, and workshop activities provided by the School of Postgraduate Studies Diponegoro University. ICENIS 2022 brings out the ideas and researches in the fields of energy, environment, epidemiology and information system towards sustainable development. This conference promotes new approaches and innovations in the aforementioned fields. All is in support of creating sustainable energy and technology without depleting natural resources.

The objectives of the ICENIS 2022 are:
- creating an international forum for the researchers, students, industries, and governments to communicate their research results on the fundamentals and applications of energy, environment, epidemiology and information system,
- sharing and exchanging ideas, thoughts, and discussion on all aspects of energy, environment, epidemiology and information system,
- facilitating the formation of network among participants to enhance the quality and benefit of research and development.

Furthermore, this conference also constitutes a great opportunity for escalating collaboration among institutions in term of various academic necessities.

I would like to thank the Keynote Speakers for allowing us a chance to experience a valuable sharing. It is essential to gather experts in the field of science and technology to improve the quality of postgraduate education.

Dr. R.B. Sularto, SH., M.Hum
Dean of School of Postgraduate Studies
Diponegoro University

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WELCOMING SPEECH CHAIRPERSON OF the 7th ICENIS 2022

Your excellency,
Rector Universitas Diponegoro (UNDIP),
All of the deans from UNDIP,
Keynote speakers, Moderators,
Head of the study program at SPS,
All participants, Ladies, and gentlemen,

On behalf of the ICENIS 2022 Organizing committee, I am honored and delighted to welcome you to the 7th International Conference on Energy, Environment, Epidemiology, and Information System (ICENIS) 2022, with the theme is "Reconciliation of energy, environment, health, and digital information after the Covid-19 pandemic for global prosperity". This conference is expected to designate an interactive international forum to provide a platform for sharing and exchanging information on the latest research on energy, environment, epidemiology, and information system.

Our technical program is rich and varied with 7 keynote speakers that come from 5 continents: America (Columbia, Canada), Australia, Asia (Indonesia, Malaysia), and Europe (Switzerland). There are 223 technical papers split between 12 parallel oral sessions each day. The participants come from various countries and from all over Indonesia consisting of researchers, lecturers, practitioners, and post and undergraduate students belonging to various institutions. A large number of papers submitted to this conference indicate that the interest in the field of energy, environment, epidemiology, and information system gains a continuous rise in this country and worldwide.

We are also proud to present the plenary speakers who are qualified to share their valuable information and knowledge at this conference. On behalf of the ICENIS 2022 Committee, we wish all participants to have good attainment. We would like to acknowledge our high appreciation to the Rector of Diponegoro University, the Dean School of Postgraduate Studies Diponegoro University, and the keynote speakers. I would also like to take this opportunity to thank the organizing team from the School of Postgraduate Studies, Diponegoro University for all their hard work and dedication in preparing for this conference. As we have tried our best in conducting this event, we humbly realize that we may still be lacking in some parts. Accordingly, we would like to apologize for any inconvenience. I sincerely hope you will enjoy today and the next days of the conference and networking. With great pride, we present ICENIS 2022, and we wish you an inspiring time. Thank you for your participation.

Dr. Budi Warsito, S.Si., M.Si.
Chair of Organizing Committee

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GENERAL PROGRAM SCHEDULE

Time	Session	Speaker	Moderator / Session Chair	Notes
DAY - 1 : Tuesday. August 9th 2022				
07.00 - 07.30	Pre-opening (preparation)			
07.30 - 08.00	Inviting conference organizers, speakers, MC, rector, moderator (zoom meeting room)			
08.00 - 08.20	Inviting participants (zoom meeting room)			Zoom meeting link:
08.20 - 08.30	Opening remarks	**MC**		
08.30 - 08.40	Welcome speech by ICENIS 2022 chair	**Dr. Budi Warsito, SSi, MSi**		
08.40 - 08.50	Welcome speech by SPS Dean	**Dr. R.B. Sularto, SH, M.Hum**		
08.50 - 09.00	Welcome speech and opening by Rector of UNDIP	**Prof. Dr. Yos Johan Utama, SH, M.Hum**		
09.00 - 09.05	(break)			
09.05 - 09.35	Plenary Session 1:	**Prof. Alfonso J. Rodriquez-Morales**		(30 minutes speech)
09.35 - 10.05	Plenary Session 2:	**Prof. Henk Heijnis**	**Prof. Dr. Hadiyanto, ST, MSc**	(30 minutes speech)
10.05 - 10.35	Plenary Session 3:	**Dr. MV. Venkatashamy Reddy**		(30 minutes speech)
10.35 - 11.05	Plenary Session 4:	**Dr. Remco van Merm**		(30 minutes speech)
11.05 -11.35	**DISCUSSION**			
11.35-12.15	(break)			
	Parallel Session 1			
12.15-14.15	Room Meeting I		Drs. Slamet Subekti, M.Hum	120 minutes), 8 speakers @15 minutes. (10 minutes presentation and 5 minutes allowance per session)
	Room Meeting II		Dr. Eng. Maryono, ST, MT	
	Room Meeting III		Dr. Oky Dwi Nurhayati, ST, MT	
	Room Meeting IV		Dr. Ir. Jaka Windarta, MT	

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	Room Meeting V		Dr. Oktiva Herry Candra, M.Hum	
	Room Meeting VI		Heriyanto, PhD	
	Room Meeting VII		Dr. drh. Dwi Sutiningsih, M.Kes	
	Room Meeting VIII		Ariya Jati, S.S., M.A	
14.15 - 14.30	(break)			
	Parallel Session 2			
14.30-16.30	Room Meeting I		Heriyanto, PhD	120 minutes), 8 speakers @15 minutes. (10 minutes presentation and 5 minutes allowance per session)
	Room Meeting II		Putri Anggun Sari, S.Pt., M.Si.	
	Room Meeting III		Dr. Oky Dwi Nurhayati, ST, MT	
	Room Meeting IV		Dr. Oktiva Herry Chandra	
	Room Meeting V		Rizkiana Sidqiyatul, M.Ling	
	Room Meeting VI		Drs. Slamet Subekti, M.Hum	
	Room Meeting VII		Drs. Bayu Surarso, MSc., PhD	

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Time	Session	Speaker	Moderator / Session Chair	Notes
DAY - 2 : Wednesday. August 10th 2022				
08.00 - 08.30	Pre-opening (preparation)			Zoom meeting link:
08.30 - 09.00	Inviting conference organizers, speakers, MC, rector, moderator (zoom meeting room)			
09.05 - 09.35	Plenary Session 5:	Prof. Dr. Lee Lam Hong	**Dr. Hartuti Purnaweni, MPA**	
09.35 - 10.05	Plenary Session 6:	Dr. A.T.P. G van Engelenhoven		
10.05 - 10.35	Plenary Session 7:	Prof. Tri Retnaningsih Soeprobowati, M.App.Sc		
10.35 - 11.05	DISCUSSION			
11.05- 11.35	(break)			
	Parallel Session 3			
11.35- 13.35	Room Meeting I		Noor Naelil Masruroh, S.Hum., M.Hum.	120 minutes), 8 speakers @15 minutes. (10 minutes presentation and 5 minutes allowance per session)
	Room Meeting II		Dr. Catur Kepirianto, M.Hum.	
	Room Meeting III		Ayu Ida Savitri, S.S., M.Hum.	
	Room Meeting IV		Marcelinus Christwardana, ST, MT, Ph.D	
	Room Meeting V		Prof. Dr. Rahmat Gernowo, MSi	
	Room Meeting VI		Dr. Jafron Wasiq Hidayat, MSc	
	Room Meeting VII		Dr. drh. Dwi Sutiningsih	
	(break)			
	Parallel Session 4			
14.05- 15.50	Room Meeting I		Ayu Ida Savitri, S.S., M.Hum.	90 minutes), 6 speakers @15 minutes. (10 minutes
	Room Meeting II		Noor Naelil Masruroh, S.Hum., M.Hum.	

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	Room Meeting III		Dr. Catur Kepirianto, M.Hum.	presentation and 5 minutes allowance per session)
	Room Meeting IV		Rizkiana Sidqiyatul, M.Ling	
	Room Meeting V		Yoyon Wahyono, SSi, M.Ling	
	Room Meeting VI		Dr. Fuad Muhammad, MSi	
	Room Meeting VII		Dr. drh. Dwi Sutiningsih, M.Kes	
15.50-16.00	**Best paper and presentation award including Closing Ceremony**			

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PRESENTATION SCHEDULE

Tuesday, August 9th 2022					
Session I : 12.15 WIB - 14.15 WIB					
Room Meeting I: Culture and Environmental (CED)			Room Meeting II: Environment (ENV)		
Session Chair	Slamet Subekti, M.Hum	Zoom meeting test [August 9, 2022]	Session Chair	Dr. Eng. Maryono, ST, MT	Zoom meeting test [August 9, 2022]
Article ID	Author		Article ID	Author	
2333	Agung Ginanjar Anjaniputra	12.15-12.30	2317	Chahya Chairani	12.15-12.30
2369	Anastasia Intan Wardyani	12.30-12.45	2328	Siti Rachmawati	12.30-12.45
2372	Endah Sri Hartatik	12.45-13.00	2343	Khairunnisak Khairunnisak	12.45-13.00
2383	Dina Lutfiana Putri	13.00-13.15	2346	Hayuning Anggrahita	13.00-13.15
2392	Tri Handayani	13.15-13.30	2355	Ms Dagmar Vološinvá	13.15-13.30
2400	Ilham Ibnul Hakim	13.30-13.45	2357	Dr. Libor Ansorge	13.30-13.45
2407	Moh Muzakka	13.45-14.00	2359	Jussac Maulana Masjhoer	13.45-14.00
2408	Dewi Prihatini Maghfiroh	14.00-14.15	2361	Daniel Mbarep	14.00-14.15

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Room Meeting III: Information System (IS)			Room Meeting IV:Energy (EN)		
Session Chair	Dr. Oky Dwi Nurhayati, ST, MT	Zoom meeting test [August 9, 2022]	Session Chair	Dr. Ir. Jaka Windarta, MT	Zoom meeting test [August 9, 2022]
Article ID	Author		Article ID	Author	
2318	Ahmad Jazuli	12.15-12.30	2342	Gissa Navira Sevie	12.15-12.30
2330	Sukamto Sukamto	12.30-12.45	2364	Dindin Syarief Nurwahyudin	12.30-12.45
2344	Pratomo Setiaji	12.45-13.00	2365	Sudarsono Sudarsono	12.45-13.00
2345	Daniel Yeri Kristiyanto	13.00-13.15	2380	Rizki Nurilyas Ahmad	13.00-13.15
2347	Arwan Putra Wijaya	13.15-13.30	2387	adhi - kusmantoro	13.15-13.30
2348	Daniel Yeri Kristiyanto	13.30-13.45	2399	Mohammad Sidik	13.30-13.45
2354	Shinta Krisdina	13.45-14.00	2401	Hifni Mukhtar Ariyadi	13.45-14.00
2358	Arif Setiawan	14.00-14.15	2589	Laksni Sedyowati	14.00-14.15

Room Meeting V: Culture and Environmental (CED)			Room Meeting VI: Culture and Environmental (CED)		
Session Chair	Dr. Oktiva Herry Candra, M.Hum	Zoom meeting test [August 9, 2022]	Session Chair	Heriyanto, PhD	Zoom meeting test [August 9, 2022]
Article ID	Author		Article ID	Author	
2417	Sukarjo Waluyo	12.15-12.30	2434	Fajria Noviana	12.15-12.30
2418	Nunung Kusumawati	12.30-12.45	2435	Muhammad Alif Nur Ramadhan	12.30-12.45
2419	Fajar Safitri	12.45-13.00	2438	Zaki Ainul Fadli	12.45-13.00
2420	Lestari Errica	13.00-13.15	2446	Wiwiek Sundari Sundari	13.00-13.15
2425	Ary Setyadi	13.15-13.30	2450	Hanna Levina Goei	13.15-13.30
2429	muhammad suryadi	13.30-13.45	2451	Fajria Noviana	13.30-13.45
2431	Budi Mulyadi	13.45-14.00	2455	Ninik Elika	13.45-14.00
2432	Muhammad Suryadi	14.00-14.15	2457	Arsi Widiandari	14.00-14.15

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Room Meeting VII : Epidemiology (EP)			Room Meeting VIII : Culture and Environmental (CED)		
Session Chair	Dr. drh. Dwi Sutiningsih, M.Kes	Zoom meeting test [August 9, 2022]	Session Chair	Ariya Jati, S.S., M.A	Zoom meeting test [August 9, 2022]
Article ID	Author		Article ID	Author	
2352	Rani Tiyas Budiyanti	12.15-12.30	2356	Henrikus Joko Yulianto	12.15-12.30
2353	Ratna Indriawati	12.30-12.45	2576	Riris Tiani	12.30-12.45
2368	Arif Susanto	12.45-13.00	2577	Agustina Wilujeng Pramestusi	12.45-13.00
2601	Maurend Yayank Lewinsca	13.00-13.15	2578	Riris Tiani	13.00-13.15
2652	Windy Cintya Dewi	13.15-13.30	2579	Alamsyah	13.15-13.30
2665	Evi Susanti Sinaga	13.30-13.45	2877	Yety Rochwulaningsih	13.30-13.45
2689	Nur Azizah Azzahra	13.45-14.00			
2695	Dwi Sutiningsih	14.00-14.15			

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Tuesday, August 9th 2022					
Session II : 14.30 WIB - 16.30 WIB					
Room Meeting I: Culture and Environmental (CED)			**Room Meeting II: Environment (ENV)**		
Session Chair	Heriyanto, PhD	Zoom meeting test [August 9, 2022]	Session Chair	Putri Anggun Sari, S.Pt., M.Si	Zoom meeting test [August 9, 2022]
Article ID	Author		Article ID	Author	
2459	Yolanda Prayudanti	14.30-14.45	2370	Aju Putrijanti	14.30-14.45
2460	Aulia Nur Fitri	14.45-15.00	2373	Edi Karyono Putro	14.45-15.00
2463	Dewi Saraswati Sakariah	15.00-15.15	2374	Sri Djuwani Ekowati	15.00-15.15
2469	Yuliani Rahmah	15.15-15.30	2375	Sri Djuwani Ekowati	15.15-15.30
2471	Tribuana Tunggadewi Kusumowardhani Baiquni	15.30-15.45	2390	Zaenal Arifin Siregar	15.30-15.45
2477	Rizky Farhan Anugrah	15.45-16.00	2394	Rizal Akbar Aldyan	15.45-16.00
2502	Delio Da Costa	16.00-16.15	2396	Darwance Darwance Darwance	16.00-16.15
2512	Endang Puji Astuti	16.15-16.30	2414	Nany Yuliastuti	16.15-16.30

Room Meeting III: Information System (IS)			Room Meeting IV: Culture and Environmental (CED)		
Session Chair	Dr. Oky Dwi Nurhayati, ST, MT	Zoom meeting test [August 9, 2022]	Session Chair	Dr. Oktiva Herry Chandra	Zoom meeting test [August 9, 2022]
Article ID	Author		Article ID	Author	
2360	Shahnilna Fitrasha Bayastura	14.30-14.45	2517	Nurhayati Nurhayati	14.30-14.45
2371	Filscha Nurprihatin	14.45-15.00	2518	Prihantoro Prihantoro	14.45-15.00
2382	Muhammad Ashoer	15.00-15.15	2524	Yuta T. Waskita, Sri Indrahti	15.00-15.15
2397	M. Miftakul Amin	15.15-15.30	2525	Sri Indrahti, Yuta Tri Waskita	15.15-15.30
2403	Dwidharma Priyasta	15.30-15.45	2527	Dina Lutfiana Putri	15.30-15.45
2404	Aji Setiawan	15.45-16.00	2528	Nadira Rahmasari	15.45-16.00
2415	Wiwit Agus Triyanto	16.00-16.15	2529	Devina Putri, Atrinawati Atrinawati	16.00-16.15
1780	Widya Ratna Dewati	16.15-16.30	2531	Zumairotus Suaidah	16.15-16.30

Room Meeting V: Environment (ENV)			Room Meeting VI: Culture and Environmental (CED)		
Session Chair	Rizkiana Sidqiyatul, M.Ling	Zoom meeting test [August 9, 2022]	Session Chair	Drs. Slamet Subekti, M.Hum	Zoom meeting test [August 9, 2022]
Article ID	Author		Article ID	Author	
2464	Tri Winarno,	14.30-14.45	2532	Zahra Dzahabiyya Utama	14.30-14.45
2526	Irfan Mahendra	14.45-15.00	2534	Naila Nabila Rosyadi	14.45-15.00
2533	Arido Laksono	15.00-15.15	2535	Singgih Tri Sulistiyono	15.00-15.15
2586	Fatima Risha Dianty	15.15-15.30	2536	Endang Susilowati	15.15-15.30
2592	Delio Da Costa	15.30-15.45	2537	Iva Yuliana	15.30-15.45
2598	Beny Sulistyo Hartadi	15.45-16.00	2538	Mualimin Mualimin	15.45-16.00
2607	Rafiqa Sari	16.00-16.15	2539	Gregorius Tri H. Manurung	16.00-16.15
2611	Sri Sumiyati	16.15-16.30	2540	Fajrul Falah	16.15-16.30

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Room Meeting VII: Information System (IS)		
Session Chair	Drs. Bayu Surarso, MSc., PhD	Zoom meeting test [August 9, 2022]
Article ID	Author	
2521	Catur Kepirianto Kepirianto	14.30-14.45
2560	Roro Isyawati Permata Ganggi	14.45-15.00
2572	Ana Irhandayaningsih	15.00-15.15
2581	Athanasia Octaviani Puspita Dewi	15.15-15.30
2582	Athanasia Octaviani Puspita Dewi	15.30-15.45
2608	Yusuf Widharto	15.45-16.00
2615	Faradhina Azzahra	16.00-16.15
2618	Chaterine Alvina Prima Hapsari	16.15-16.30

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Wednesday, August 10th 2022					
Session III : 11.30 WIB – 13.30 WIB					
Room Meeting I: Culture and Environment (CED)			**Room Meeting II: Culture and Environment (CED)**		
Session Chair	Noor Naelil Masruroh, S.Hum., M.Hum.	Zoom meeting test [August 10, 2022]	Session Chair	Dr. Catur Kepirianto, M.Hum.	Zoom meeting test [August 10, 2022]
Article ID	Author		Article ID	Author	
2541	Albert Rumbekwan	11.30-11.45	2554	Ana Irhandayaningsih	11.30-11.45
2542	Jumino Jumino	11.45-12.00	2556	Elizabeth IHAN Rini	11.45-12.00
2543	Atrinawati Atrinawati	12.00-12.15	2558	Sri Sudarsih	12.00-12.15
2546	Haryono Rinardi	12.15-12.30	2559	Roro Isyawati Permata Ganggi	12.15-12.30
2549	Mudjahirin Thohir	12.30-12.45	2561	Laura Andri Retno Martini	12.30-12.45
2550	Sri Sudarsih	12.45-13.00	2562	Siti - Maziyah	12.45-13.00
2551	Khothibul Umam	13.00-13.15	2563	Nur Hastuti	13.00-13.15
2553	Ana Irhandayaningsih	13.15-13.30	2565	Siti - Maziyah	13.15-13.30

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Room Meeting III: Culture and Environment (CED) / Room Meeting IV: Energy (EN)

Session Chair	Ayu Ida Savitri, S.S., M.Hum.	Zoom meeting test [August 10, 2022]	Session Chair	Marcelinus Christwardana, ST, MT, Ph.D	Zoom meeting test [August 10, 2022]
Article ID	Author		Article ID	Author	
2566	Teshalonika Putri Eklesia Thenu	11.30-11.45	2609	Muhammad Refanza Dinar Kurniawan	11.30-11.45
2568	mujid farihul amin	11.45-12.00	2629	Nurakhmi Qadaryati	11.45-12.00
2569	Ika Krismayani	12.00-12.15	2681	Rahadi Santoso	12.00-12.15
2571	Mudjahirin Thohir	12.15-12.30	2737	Hafiz Rama Devara	12.15-12.30
2573	Ika Krismayani	12.30-12.45	2738	Indahsari Kusuma Dewi	12.30-12.45
2574	Mecca Arfa	12.45-13.00	2742	Rifqi Ahmad Baihaqi	12.45-13.00
2575	A Alamsyah	13.00-13.15	2766	Lukman Hakim	13.00-13.15
2580	Yety Rochwulaningsih	13.15-13.30	2786	Purwono Purwono	13.15-13.30

Room Meeting V: Information System (IS) / Room Meeting VI: Environment (ENV)

Session Chair	Prof. Dr. Rahmat Gernowo, MSi	Zoom meeting test [August 10, 2022]	Session Chair	Dr. Jafron Wasiq Hidayat, MSc	Zoom meeting test [August 10, 2022]
Article ID	Author		Article ID	Author	
2631	rubijanto juni junipribadi	11.30-11.45	2646	Dian Agus Widiarso	11.30-11.45
2619	ibnu fath	11.45-12.00	2648	Dian Agus Widiarso	11.45-12.00
2651	Tyas Lilia Wardani	12.00-12.15	2653	Yuli Ruthena	12.00-12.15
2675	Imam - Syafii	12.15-12.30	2663	ignatius sudaryadi	12.15-12.30
2700	PUTRI ALIFIA NIKMATURROCHMAH	12.30-12.45	2669	Sapto Purnomo Putro	12.30-12.45
2728	Evi Widowati	12.45-13.00	2670	Irba djaja, B Tambaib	12.45-13.00
			2676	Sri Mulyati	13.00-13.15
			2685	Saidi Ntambi	13.15-13.30

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Room Meeting VII: Epidemiology (EP)

Session Chair	Dr. drh. Dwi Sutiningsih	Zoom meeting test [August 10, 2022]
Article ID	Author	
2696	Lilis Novitarum	11.30-11.45
2698	MAIGA AYUB HUSSEIN	11.45-12.00
2705	Chimezie Finian Nwadinigwe	12.00-12.15
2715	Lilis Novitarum	12.15-12.30
2716	Dodoh Khodijah	12.30-12.45
2722	Nixson Manurung	12.45-13.00
2724	soep soep	13.00-13.15
2725	Fazidah Aguslina Siregar	13.15-13.30

Wednesday, August 10th 2022

Session IV : 13.45 WIB – 15.45 WIB

Room Meeting I: Culture and Environmental (CED)			Room Meeting II: Culture and Environmental (CED)		
Session Chair	Ayu Ida Savitri, S.S., M.Hum.	Zoom meeting test [August 10, 2022]	Session Chair	Noor Naelil Masruroh, S.Hum., M.Hum.	Zoom meeting test [August 10, 2022]
Article ID	Author		Article ID	Author	
2584	Ariya Jati	13.45-14.00	2628	Arsi Widiandari	13.45-14.00
2588	Arido Laksono	14.00-14.15	2636	Dwi Wulandari	14.00-14.15
2590	Shahnaz Azzahra	14.15-14.30	2637	Muhammad Abdullah	14.15-14.30
2597	Ken W. Wignjosasono	14.30-14.45	2641	Rizki Dwi Nuradita	14.30-14.45
2614	Hadiyanto Hadiyanto	14.45-15.00	2642	Zahra Dzahabiyya Utama	14.45-15.00
2625	Anggita Prameswari	15.00-15.15	2647	M. Hermintoyo, Rian D. Nugroho	15.00-15.15
2626	Hadiyanto Hadiyanto	15.15-15.30	2650	iksiroh El husna	15.15-15.30

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| 2627 | Muhammad Abdullah | 15.30-15.45 | 2656 | Oktiva Herry Chandra | 15.30-15.45 |

Room Meeting III: Culture and Environmental (CED)

Room Meeting IV: Environment (ENV)

Session Chair	Dr. Catur Kepirianto, M.Hum.	Zoom meeting test [August 10, 2022]	Session Chair	Rizkiana Sidqiyatul, M.Ling	Zoom meeting test [August 10, 2022]
Article ID	Author		Article ID	Author	
2658	Slamet Subekti	13.45-14.00	2687	Zuli Pratiwi	13.45-14.00
2659	Nur Fauzan Ahmad	14.00-14.15	2691	nilawati nilawati	14.00-14.15
2661	Theresa Dinda Hermawan	14.15-14.30	2692	Achmad Darul	14.15-14.30
2672	Dewi Yuliati	14.30-14.45	2702	Mohamad Mirza	14.30-14.45
2677	Marcelin Adellia Lisangan	14.45-15.00	2709	Ali Abdulraoof Taha Al-Maktari	14.45-15.00
2680	Andi Tenri Fauziyyah Maulia	15.00-15.15	2718	Wahyu Setyaningsih	15.00-15.15
2734	kiswanto kiswanto	15.15-15.30	2721	Augusto Almeida da Silva	15.15-15.30
2744	mujid farihul amin	15.30-15.45	2730	Dagmar Vološinová	15.30-15.45

Room Meeting V: Environment (ENV)

Room Meeting VI: Environment (ENV)

Session Chair	Yoyon Wahyono, SSi, M.Ling	Zoom meeting test [August 10, 2022]	Session Chair	Dr. Fuad Muhammad, MSi	Zoom meeting test [August 10, 2022]
Article ID	Author		Article ID	Author	
2740	John Bosco Niyomukiza	13.45-14.00	2421	Sri Puji Astuti	13.45-14.00
2749	Yusuf Arya Yudanto	14.00-14.15	2423	Hassya Ancelia Sapna	14.00-14.15
2761	Ferry Hermawan	14.15-14.30	2428	Adam Bergas Prayuda	14.15-14.30
2764	Umi Baroroh Lili Utami	14.30-14.45	2437	Bahri Bahri	14.30-14.45
2768	Eric Ngezahayo	14.45-15.00	2447	Dinda Putri Permatasari	14.45-15.00
2779	Yesi Clara Shinta	15.00-15.15	2623	Retna Hanani	15.00-15.15
2783	Nurandani Hardyanti	15.15-15.30	2632	Samsul Marif	15.15-15.30
2773	zainul ikhwan	15.30-15.45	2645	Moch Syarif Romadhon	15.30-15.45

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ENVIRONMENT
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EPIDEMIOLOGY

Room Meeting VII: Epidemiology (EP)&Environment (ENV)		
Session Chair	Dr. drh. Dwi Sutiningsih, M.Kes	Zoom meeting test [August 10, 2022]
Article ID	Author	
2755	Nur Azizah Azzahra	13.45-14.00
2769	Lovemore Ringisai	14.00-14.15
2778	NARCISSE - MUSAFILI	14.15-14.30
2774	zainul ikhwan	14.30-14.45
2875	Radharani Alzate	14.45-15.00
2876	Priyosetyoko	15.00-15.15
2889	Purwanto	15.15-15.30

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ZOOM ID SESSIONS

Day/Date	Time	Session	ID Meeting	Passcode
DAY 1: Tuesday, August 9th 2022				
Tuesday, August 9th 2022	07.00 - 12.00	**Plenary Session**	**954 7607 3341**	**ICENIS2022**
	12.45 - 14.45 [Session I]	Room Meeting I : Session I	945 8459 0955	ICENIS-R1
		Room Meeting II : Session I	936 7985 1541	ICENIS-R2
		Room Meeting III : Session I	995 9686 0750	ICENIS-R3
		Room Meeting IV : Session I	943 7994 1042	ICENIS-R4
		Room Meeting V : Session I	966 6222 2637	ICENIS-R5
		Room Meeting VI : Session I	970 5437 6013	ICENIS-R6
		Room Meeting VII : Session I	928 1916 0516	ICENIS-R7
		Room Meeting VIII : Session I	912 8267 7880	ICENIS-R8
	15.00 - 17.00 [Session II]	Room Meeting I : Session II	913 9301 7297	ICENIS-R1
		Room Meeting II : Session II	927 7959 0927	ICENIS-R2
		Room Meeting III : Session II	956 5266 0104	ICENIS-R3
		Room Meeting IV : Session II	990 4363 5800	ICENIS-R4
		Room Meeting V : Session II	947 8020 5402	ICENIS-R5
		Room Meeting VI : Session II	962 6859 1411	ICENIS-R6
		Room Meeting VII : Session II	948 4403 8897	ICENIS-R7

Day/Date	Time	Session	ID Meeting	Passcode
DAY 2: Wednesday, August 10th 2022				
Wednesday, August 10th 2022	07.00 - 12.00	**Plenary Session**	**954 7607 3341**	**ICENIS2022**
	12.45 - 14.45 [Session III]	Room Meeting I : Session III	949 5582 2568	ICENIS-R1
		Room Meeting II : Session III	917 1019 9106	ICENIS-R2
		Room Meeting III : Session III	931 3949 1562	ICENIS-R3
		Room Meeting IV : Session III	945 9347 2764	ICENIS-R4
		Room Meeting V : Session III	925 1017 5082	ICENIS-R5
		Room Meeting VI : Session III	952 8813 5321	ICENIS-R6
		Room Meeting VII : Session III	983 8758 0530	ICENIS-R7
	15.00 - 17.00 [Session IV]	Room Meeting I : Session IV	998 8178 5495	ICENIS-R1
		Room Meeting II : Session IV	951 5566 7291	ICENIS-R2
		Room Meeting III : Session IV	992 7836 3406	ICENIS-R3
		Room Meeting IV : Session IV	977 1134 4857	ICENIS-R4
		Room Meeting V : Session IV	932 3865 6803	ICENIS-R5
		Room Meeting VI : Session IV	958 5289 1777	ICENIS-R6
		Room Meeting VII : Session IV	962 6134 5487	ICENIS-R7

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KS	2	Prof. Henk Hejinis	Lessons from the past: Using geological archives for sustainable environmental planning and the impact of rapid climate change on fragile ecosystems
KS	3	Prof. Alfonso J. Rodriquez-Morales	One health and COVID-19: The importance of animal and environmental health links with pandemic and epidemic threats
KS	4	Dr. A.T.P.G. van Engelenhoven	Archiving Traditional Knowledge after the COVID Pandemic in Nusantara the case of Makuva, a moribund language of Timor Leste
KS	5	Dr. Remco van Merm	Impacts of COVID-19 on Biodiversity Conservation: What Lessons Can We Learn as We Build Back Better?
KS	6	Dr. MV Venkatashamy Reddy	Recent advances Materials for Energy & Environment and Sustainability
KS	7	Prof. Dr. Tri Retnaningsih Soeprobowati, M.App.Sc	Toward Water Security and Climate Resilence in Indonesia
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CED	2356	Henrikus Joko Yulianto, Zuhrul Anam	Dirty Energy"and Ecological Performativity in Contemporary English Poems: Critiquing Petro Culture of the Anthropocene
CED	2369	Anastasia Intan Wardyani, Mytha Chandria	The Railway Children and Their Acts of Heroism
CED	2372	Endah Sri Hartatik, Ken Widyatwati, Fitri Amalia Shintasiwi	Irrigation Facility And Rice Production In Demak Regency During Colonial Era
CED	2383	Dina Lutfiana Putri, Deli Nirmala	The meaning of culture: Communicative Pattern of Panggih in Kabupaten Batang
CED	2392	Tri Handayani	Culture and Environment: Diponegoro University's Experience in dealing with climate change

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CED	2407	Moh Muzakka, Dewi Prihatini Maghfiroh	Natural Resources for The Nation's Prosperity (A Semiotic Study of the Song "Indonesia" by Rhoma Irama)
CED	2408	Moh Muzakka, Dewi Prihatini Maghfiroh	Nature's Exploitation as A Cause of Natural Disaster (Riffatere Semiotic Studies Towards Rhoma Irama Song "Malapetaka")
CED	2417	Sukarjo Waluyo, Redyanto Noor, Ratna Asmarani	Construction of the Sunan Kudus Figure as a Religious Icon of the Kudus Regency
CED	2418	Nunung Kusumawati, Sukarjo Waluyo, Ken Widyatwati	Contruction of Ratu Kalinyamat as an Icon of Jepara Regency
CED	2419	Fajar Safitri, Wiwiek Sundari	Lurik as Javanese Low Class Society Local Wisdom of Utilizing Natural Resource for Clothing
CED	2420	Lestari Errica, Budi Mulyadi	Differences in Environmental Education at the Elementary School Level in Japan and Indonesia
CED	2425	Ary Setyadi	Functional Characteristics of "Language Game" in Tourism Promotion Text
CED	2429	Muhammad Suryadi, Siti Nur Hasisah	The Philosophy of Human Life in the Lexicon of the Laesan Traditional Art song in Lasem Rembang
CED	2431	Budi Mulyadi	The Environmental Problem In Anime Weathering With You Directed By Makoto Shinkai
CED	2432	Siti Nur Hasisa, Muhammad Suryadi	Laesan Traditional Arts: The Relationship of Natural Life with Human Behavior (Case Study in Lasem District, Rembang Regency)
CED	2434	Fajria Noviana	Nature vs Culture in Hayao Miyazaki's "Ponyo on the Cliff by the Sea"
CED	2435	Muhammad Alif Nur Ramadhan, Zaki Ainul Fadli	Anthropocentrism Ethics in Mari Okada's Sayonara no Asa ni Yakusoku No Hana Wo Kazarou
CED	2438	Zaki Ainul Fadli	Anthropocentrism in Hayao Miyazaki's Princess Mononoke
CED	2446	Wiwiek Sundari	Utilizing Lurik Waste for Handycraft Home Industry to Improve Low Class Family Income
CED	2450	Hanna Levina Goei, Nurhayati Nurhayati	The Influence of Unggah – Ungguh as Javanese Culture in Gereja Injili di Tanah Jawa (GITJ) Kudus' Communication Processes for Sustaining Local Social-Environment

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CED	2457	Arsi Widiandari	Promotion Strategy and Challenges of Halal Tourism in Japan
CED	2459	Yolanda Prayudanti, Dewi Saraswati Sakariah	Japanese Daily Vlogger Content as A Cultural Learning Medium for College Students: Study Case of Diponegoro University's Student
CED	2460	Aulia Nur Fitri, Elizabeth IHAN Rini	Metaphors and Cultural Values Part of Plans in Japanese Proverbs
CED	2463	Dewi Saraswati Sakariah	Cultural Promotion Innovation in Japan's Urban Women's Environment on Tina's Life Youtube Channel
CED	2469	Yuliani Rahmah	Representation of Enviromental Education in Mukashi Banashi
CED	2471	Tribuana Tunggadewi Kusumowardhani Baiquni, Reny Wiyatasari	Ecotourism as a Medium of Promotion and Learning Japanese Traditional Culture
CED	2477	Rizky Farhan Anugrah, Rifka Pratama	Revealing the Elements of Popular Culture in the Coffee Shop Industries in Tembalang Sub-District, Semarang
CED	2502	Delio Da Costa, Fuad Muhammad, Budi Waristo	Analysis of Water Environment Support for Marine Ecotourism Suitability Category Diving in Ataúro Island
CED	2512	Endang Puji Astuti, Agus Subiyanto	Saeyyang Pattuqdu Tradition in Polewali Mandar Sociency (Ethnographic Study of Communication)
CED	2517	Peter Suwarno, Kurniawan Julius Novan Deni, Nurhayati Nurhayati	Communication Patterns in the Ageman Keris Making Process in Besalen Buwana Aji Kalingga: an Ethnography of Communication Study
CED	2518	Prihantoro Prihantoro	A Collocation Analysis Of 'Energy' In Brown Family Corpus: A Diachronic Study
CED	2524	Yuta Tri Waskita, Sri Indrahti	Change Of Social Environment From Development Of Creative Carving Industry In Jepara
CED	2525	Sri Indrahti, Yuta Tri Waskita	Development of Decorative Variety of Carving Crafts Creative Industries in Jepara and Its Influence on the Cultural Environment of the Crafting Society
CED	2527	Dina Lutfiana Putri, Agus Subiyanto	The Cultural Meaning and Communicative Pattern of Panggih Ceremony in Kabupaten Batang
CED	2528	Nadira Rahmasari, Agus Subiyanto, Nurhayati Nurhayati	Preserving Harmonious Social Relation through Selapan Ceremony in Blitar: An Ethnographic Study

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CED	2531	Zumairotus Suaidah, Mecca Arfa	Fee-Based Services As A Human Resource Development (Librarian) In Library Of Gadjah Mada University
CED	2532	Zahra Dzahabiyya Utama, Jumino Jumino	Information Literacy By The Undergraduate Library Sciences Students Of Diponegoro University Batch 2020 to Meet Their Information Needs
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CED	2536	Endang Susilowati, Singgih Tri Sulistiyono, Yety Rochwulaningsih, Ismail Ali, Albert Rumbekwan, Noor Naelil Masruroh, Rabith Jihan Amaruli	Maritime Culture Ecology of the Biak People in Sowek Village -Papua, Indonesia
CED	2537	Fajrul Falah, Iva Yuliana	The Role of the Environment in Shaping the Characters in the Novel Merindu Baginda Nabi by Habiburrahman el-Shirazy
CED	2538	Mualimin Mualimin	Students' Evaluation on Online Learning System at IUP Program, Faculty of Humanities Universitas Diponegoro
CED	2539	Gregorius Tri Hendrawan Manurung, Khothibul Umam	Reissuing Indonesian Independent Music: Technology-Mediated Nostalgia, Hauntology and Future Projection
CED	2540	Fajrul Falah	Culture Pesantren in Establishing the Figures' Character Novel Merindu Baginda Nabi by Habiburrahman el-Shirazy
CED	2541	Albert Rumbekwan, Singgih Tri Sulistiyono, Yety Rochwulaningsih, Endang Susilowati, Ismail Ali	"Wairon And Waimansusu" War Boat and Trade Boat of The Biak People in Papua-Indonesia
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CED	2546	Haryono Rinardi, Singgih Tri Sulistiyono	Profit Sharing in Onion Cultivation: An anomaly in horticultural cultivation system in developing countries (a case study in Brebes)

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CED	2549	Mudjahirin Thohir	Islam and Local Wisdom: The Study of "Islam Nusantara" in the Cultural Perspective
CED	2550	Sri Sudarsih	Values in the Development of Science and Technology Contribution to Strengthening the National Cultural Character.
CED	2551	Khothibul Umam, Gregorius Tri Hendrawan Manurung	Merchandise and Memorabilia: Between Art Products, Self-Image, and Musicians Existence
CED	2553	Ana Irhandayaningsih	Digital Literacy Assessment Model in Learning Management System : A Self-Directed Learning Perspective
CED	2554	Sufyan Mulana Hastoto, Ana Irhandayaningsih	The Relationship Between Metacognitive Experiences and Digital Literacy in a Self-Directed Learning Environment
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CED	2558	Sri Sudarsih, Fidel Satrio Hadiyanto	Interpreting Communication and Information Technology as an Effort to Grow a Nationalist Attitude towards Society 5.0
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CED	2566	Teshalonika Putri Eklesia Thenu, Laura Andri Retno Martini	Symbolic Meaning Behind Traditional Rite "Sedekah Sampar Banyu" In Wonolopo, Mijen Semarang
CED	2568	Eka Sifa Ariyanti, Merry Ivana Febriyanti, Mujid Farihul Amin	Choice of Words Based On Meaning In Rhoma Irama Songs With Environmental Themes
CED	2569	Ika Krismayani, Jumino Jumino, Yanuar Yoga Prasetyawan, Mecca Arfa	The Effect of Semester Level on Information Literacy Self-Efficacy by Vocational School Students of Diponegoro University During the Online Learning Period

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CED	2573	Ika Krismayani, Mecca Arfa	Analysis of the Community's Use of Digital Literary Reading Applications
CED	2574	Mecca Arfa, Ika Krismayani	The Existence of Paid Photocopy Services at the Gadjah Mada University (UGM) Library in Era 4.0
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CED	2578	Meinar Trifidya, Riris Tiani	Morphosynthec in Verbal Messages Angry Expressions in The Film Dua Garis Biru
CED	2579	Alamsyah Alamsyah, Vicky Verry Angga	Padusan Tradition: Environmental Preservation Efforts and Self-Approach to God
CED	2580	Yety Rochwulaningsih, Noor Naelil Masruroh, Fanada Sholihah, Rafngi Mufidah, Susilo Budiyanto	Smoke-haze and Forest Fire in Kalimantan: How is the Reform regime response?
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IS	2581	Athanasia Octaviani Puspita Dewi, Aulia Isnaini, Mega Fitri Lestari	An analysis of the post Covid-19 Information Distribution on Social Media
IS	2582	Athanasia Octaviani Puspita Dewi	Analysis of Trend Information Distribution on Covid-19 Research
IS	2608	Denny Nurketamanda, Yusuf Widharto, Singgih Saptadi, Pratama Bayu Widagdo, Alfin Fathur Rizqi	Development Of Fashion Model Simulator Application As A Tool In Small And Medium Enterprise
IS	2615	Faradhina Azzahra, Novie Susanto, Muhammad Tantyo Aldama	The Relationship Analysis of Phone Use to Accident Risk on Online Motorcycle Taxi in Semarang Using Logistic Regression
IS	2618	Purnawan Adi Wicaksono, Wiwik Budiawan, Chaterine Alvina Prima Hapsari, Aprilia Dwi Lestari	Strategic Design to Increase Indonesian Furniture Industry Export Competitiveness
IS	2619	Ibnu Fath, Vincensius Gunawan S. K, Adi Wibowo	Implementation of Random Forest Algorithm for Earthquake Location Classification System

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CODE	ID	AUTHORS	TITLE
IS	2631	Rubijanto Juni Junipribadi, Rusnaldy, D.H Gunawan	Inspecting Power Network Analysis On Eddy Current Test Of SMAW Joints
IS	2651	Tyas Lilia Wardani, Linda Retnowati, Ratna Fajariani, Isna Qadrijati, Sumardiyono Sumardiyono, Seviana Rinawati, Tutug	The Effect of Laptop Use Behaviors on Eye Fatigue on Work-from-Home (WFH) Lecturers during The Covid-19 Pandemi
IS	2675	Imam - Syafii, Catur Edi Widodo, Jatmiko Endro Suseno	Expert System Diagnose Broiler Chicken Diseases using Case Based Reasoning Method and Sorensen Dice Coefficient
IS	2700	Putri Alifia Nikmaturrochmah, Dwi Handayani, Mursyidul Ibad, Abdul Hakim Zakkiy Fasya	Acceptance Analysis of Silacak Version 3.0 Based on The Technology Acceptance Model (TAM) in Surabaya City
IS	2728	Evi Widowati, Atika Wijaya, Sri Kadarwati, Yoris Adi Maretta, Atno	Why Must Journals at the University Level be Well Managed to Support the Era of University Independence?

KEYNOTE SPEAKER ABSTRACTS

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Prof. Dr. Lee Lam Hong

(Quest International University Malaysia)

Paper Title :

Industry 5.0: The Enabler of Sustainable Era

Abstract :

The Industrial Revolutions have successfully transformed the world economy by increasing the productivity and efficiency of various industries, using the edge cutting technologies and innovations of different eras. While the concept of Industrial Revolution 4.0 (IR4.0) has been introduced since more than a decade ago, the implementation of its technologies has not been seen popular in various sectors. This is due to the fact that there are numerous challenges stand in the way of universal implementation of IR4.0 at present. To name a few, the reliability of machine to machine communication, cyber-security concerns, the fear of mass layoffs which may cause social economy and security issues, limited resources and data for developing effective cognitive computing systems, are the main obstacles which restrict the development of IR4.0. While the focus of IR 4.0 is on improving productivity via inter-connectivity of cyber-physical systems and cognitive computing, IR5.0 utilises of the groundwork and platform laid by IR4.0, and introduces the return of human hands and minds into the framework. This talk aims to explore the ways that IR5.0 puts together the creativity of human, the precision of robotic, and the high computation power of modern computers and electronics to achieve optimal solutions and efficient systems for the industry, which will be the key of success in the next few decades. IR4.0 and IR5.0 have cooperatively created a blueprint that industries must oblige in order to achieve a sustainable and harmonious environment, in optimising the productivity of various industries, from farming to manufacturing, while minimizing the risk of mass layoffs of human labour, and the threat to environmental pollutions.

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Prof. Henk Hejinis
(former FNCA Climate Project Leader and Adjunct Professor at Undip)

Paper Title :

Lessons from the past: Using Geological Archives for Sustainable Environmental Planning and the Impact of Rapid Climate Change on Fragile Ecosystem

Abstract :

The protection of fragile ecosystems all over the world is of utmost important to save certain species from extinction and ensure diversity. The rate of climate change is unprecedented in its speed and impact on our society and ecosystems. However, without a sound understanding of past conditions and natural change within ecosystems it is difficult to determine the outcomes of sustainable environmental planning. The presentation will discuss environmental change in two critical ecosystems, using techniques to reconstruct environmental histories over decades to hundreds of years. The first example is coastal Antarctica, where ecosystems were under threat from Ozone depletion during the latter half of the 20th century. The second example deals with one of the Galapagos Islands, where ecosystem can cope with a highly variable, El Nino and La Nina driven climate, but human impact can destroy the fragile native vegetation on some of the islands.

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McMinn, A., Heijnis, H. & Hodgson, D. Minimal effects of UVB radiation on Antarctic diatoms over the past 20 years. Nature 370, 547–549 (1994). https://doi.org/10.1038/370547a0

H. Heijnis, Abstract INQUA Conference, Nagoya,Japan, 2015. Identifying the initial period of European Colonisation and intensification of human activity using high resolution XRF scanning in sedimentological records from Northern Australia and the Galapagos Islands, Ecuador.

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Prof. Alfonso J. Rodriquez-Morales
(Institucion Universitaria vision de las Americas, Colombia)

Paper Title :

One Health and COVID-19: The Importance of Animal and Environmental Health Links with Pandemic and Epidemic Threats

Abstract :

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Dr. A.T.P.G. van Engelenhoven

(University Lecturer of Southeast Asian Linguistics, Faculty of Humanities, Leiden Institute for Area Studies SAS Indonesie)

Paper Title :

Archiving Traditional Knowledge after the COVID Pandemic in Nusantara the case of Makuva, a moribund language of Timor-Leste

Abstract :

Insular Southeast Asia – alternatively referred to as Nusantara – contains five nations: the Philippines, Malaysia, Singapore, Indonesia and Timor-Leste. Although different in size and history, all five countries are characterised by a complex ethnic-cultural diversity, which may be challenged by well-meant suggestions improvement. Loss of traditional knowledge is salient problem in all Nusantara nations. This contribution discusses the pitfalls of traditional knowledge archiving by taking Makuva, a minority language on the edge of oblivion in Timor-Leste, as a case study. It will be shown that the researcher, the nation and the language community have their own interests, which all need to be considered in archiving

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Dr. Remco van Merm

(The International Union for Conservation of Nature IUCN, Switzerland)

Paper Title :

Impacts of COVID-19 on Biodiversity Conservation: What Lessons Can We Learn as We Build Back Better?

Abstract :

When Covid-19 caused strict lockdowns and travel bans around the world, the collapse of the tourism industry had a direct impact on the availability of funding for biodiversity conservation all over the world. According to the UN World Tourism Organization, 7% of the world's tourism relates to wildlife, and in some parts of Africa, this figure is as high as 80%. As tourists stayed away, many local communities in rural Africa lost their livelihoods overnight. As a result, people living in proximity to wildlife found themselves forced to resort to poaching to continue to make a living. In addition, poaching had become easier due to the absence of tourists and rangers in the field. At the same time, National Parks and Game Reserves, and the authorities and non-governmental organizations managing them, also felt the loss of revenue from tourism. Add to that the fact that in many countries, public funding was redirected away from conservation, towards measures to control the pandemic.In April 2020, IUCN Save Our Species, with generous funding from the European Commission, was one of the first organizations to provide emergency funding to conservation NGOs in sub-Saharan Africa in response to the challenges caused by Covid. Financial support was provided to enhance anti-poaching operations, both through the use of technologies such as drones and surveillance cameras, and by putting more boots on the ground – providing new jobs for local communities. At the same time, projects benefiting from an IUCN Save Our Species grant supported the development of alternative livelihoods and alternative sources of protein, to reduce the need for people to hunt for, and consume, bushmeat. These projects offer examples of how local development and biodiversity conservation can go hand-in-hand.

As governments around the world are talking about "building back better", biodiversity conservation should be mainstreamed into the economic post-Covid-19 recovery. When it comes to preventing the next zoonotic outbreak, nature conservation has a crucial role to play. As humans continue to encroach further on natural habitats, we come into contact with wildlife and pathogens that have so far existed in isolated areas. Covid-19 is not the first epidemic transmitted to humans through different host animals, nor will it be the last. It is not a matter of if, but when the next outbreak occurs.

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Leaving natural areas undisturbed is the best protection against future such outbreaks. The development of conservation-based livelihoods in addition to tourism, can help reduce the need to encroach on intact natural habitats. Recognizing that human health is directly linked to the health of animals and ecosystems, the One-Health approach, i.e. cross-sectoral collaboration to address issues of health, food, water, energy, and environment, should be widely adopted as a means towards preventing future outbreaks of zoonotic diseases.

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Dr. Mogalahalli Venkateshreddy Venkatashamy Reddy

(Institute of Research Hydro-Québec, Montreal, Canada)

Paper Title :

Recent Advance Materials for Energy & Environment and Sustainability

Abstract :

In recent years advanced materials had a considerable interest in worldwide researchers due its interesting functional properties and applications in areas of energy storage and conversion, water, and health care technology

In my talk, I will discuss global issues related to Energy and Environment, also various studies high power and Energy density materials for related to electrical energy storage and conversion applications. Materials mining,fabrication, characterization techniques, fundamentals, interface studies and applications. I will focus on materials challenges for electric vehicles and smart grid and renewable technology applications. Battery fabrication and various fast charging, thermal managment, importence of thermal runways studies for electric vechicles and in situ and exsitu studies, reaction mechanisms, and present challenges in electric vehicles will be discussed. Finally importance of nanomaterials for health care and also i will discuss briefly materials mining and sustainability

Keywords: Advanced Materials; Energy ; Enviornment ; Health care; Storage; Electric Vehicles; Nanotechnology

Reference

1. More details of publications are listed in
http://scholar.google.com.sg/citations?user=pWKr2M0AAAAJ&hl=en ; Orcid ID: 0000-0002-6979-5345

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Prof. Dr. Tri Retnaningsih Soeprobowati, M.App.Sc

(School of Postgraduate Studies, Undip, Indonesia)

Paper Title :

Toward Water Security and Climate Resilince in Indonesia

Abstract :

Climate change impacts water conditions in Indonesia and had decreased rainfall which in turn affects a reduction in raw water sources to meet water needs for drinking and agriculture. Java, Bali, and Nusa Tenggara face water scarcity until 2030. Water resources management should therefore be an early focus for adaptation to climate change. Water security has been developed as a major theoretical framework in environmental governance and resource management. Some actions to achieve water security are able developed, such as protecting vulnerable water systems, mitigating the impacts of water-related hazards such as floods and droughts, safeguarding access to water functions and services, and managing water resources in an integrated and equitable manner. Sustainable lake management is an example of a success story of Indonesia adopting by UNEP Resolution. The establishment of national priority lakes, developing an integrated lake management plan, implementation of integrated programs, the establishment of the Presidential Decree on Save Priority Lakes, and enhancing global concern and action on lake conservation and rehabilitation. Paleolimnology is the study of inland water that used the physical, chemical, and biological information preserved in the sediment to reconstruct past environmental change (including climate change) as a base to develop sustainable lake management. Paleolimnology of small lakes in Dieng Central Java has proven the historical record of natural disasters and human activities had induced deterioration of the lake functions.

Keywords: water security, climate change, sustainable lake management

Master Data Management using Record Linkage Toolkit for Integrating Lecturer Master Data

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[1]Department of Computer Engineering, Politeknik Negeri Sriwijaya, Palembang 30139, Indonesia
[2]Department of Accounting, Politeknik Negeri Sriwijaya, Palembang 30139, Indonesia

Abstract. Merging databases from different data sources is one of the important tasks in the data integration process. This study will integrate lecturer data from data sources in the application of academic information systems and research information systems at the Sriwijaya State Polytechnic. This integration of lecturer data will later be used as a single data as master data that can be used by other applications. Lecturer data in the academic section contains 444 records, while those from the p3m section contain 443 records. An important task in the database merging process is to eliminate duplicate records. One of the important libraries in the formation of this master data management uses the record linkage toolkit which is implemented in the python programming language. The steps taken are pre-processing, generating candidate record pairs, compare pairs, score pairs, and finally the data link to merge the two data sources. In this study, 5 fields, namely username, name, place of birth, date of birth, and gender, from each data source were used to measure the level of record similarity. The result of this research is the formation of lecturer master data from the merging of the two sources.

1 Introduction

In the context of master data management (MDM), one or more records in a relational database concept can refer to an entity. The formation of master data management involves several tasks, including entity resolution, entity matching, and relation extraction [1]. The data that is processed in the formation of the master data management can come from the same data source or be heterogeneous [2]. Heterogeneous data is also related to the concept of data interoperability, where data can come from various sources [3] and involves web services technology or web application programming interface (API) [4]. One of the main tasks in establishing a master data management is to eliminate duplication of data in the source database [5].

Record linkage can be understood as a process for extracting records from various data sources and combining them to form a single entity [6], for both structured and unstructured data [7]. The same thing was also conveyed by [8] which defines that record linkage is a step to identify a number of records that refer to the same thing. In many cases, these records refer

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to the information of a person or individuals attached to the same person [9, 10]. According to [11] record linkage is used to improve data quality and integration at the data mining and data warehouse stages [12] and decision-making processes [13]. Even according to [14] The record linkage stage is part of the cleaning stage in data mining. Record linkage itself is usually implemented into datasets that do not have a unique identifier [15]. The term record linkage [16] according to [17] has several equivalents, namely de-duplication and entity resolution. Other terms were also conveyed by [18] as data matching, probabilistic matching, and instance identification.

Various models of completion of record linkage have been studied, including [19], [20], [21], [22] and [23] using the Bayesian approach as an unsupervised approach. This study aims to detect duplication in the database under investigation. The most common approach in implementing record linkage is to use string similarity [24]. According to [25] that the string similarity level (s), $s = sim(a_i , a_j)$ is a similarity function that calculates the level of similarity between two attribute values a_i and a_j, which is in the range of values $0 \leq s \leq 1$. Several possible results of string similarity measurements can be categorized as follows:

- $sim(a_i , a_i) = 1$, is the result of a string similarity comparison where the two strings are exactly the same value.
- $sim(a_i , a_j) = 0$, is a result of calculating string similarity where the two strings are values that are different from one another.
- $0 < sim(a_i , a_j) < 1$, is the result of calculations between values that are exactly the same and different from one another. The greater the value, the more precise the degree of similarity will be.

In this study, a process for merging two datasets will be carried out containing information on lecturer data. The two datasets come from academic information systems and research information systems. The number of records in academic data is 444 records, while in Center for research and community service (P3M) data there are 443 records. The two databases will then be used as a single piece of data as master data which can later be used by other applications as lecturer master data.

2 Methods

Figure 1 shows the steps in merging databases using the record linkage approach. The steps taken include pre-processing, generating pairs, compare pairs, score pairs, and finally link data. All these stages are carried out using the record linkage toolkit library which is implemented in the python programming language.
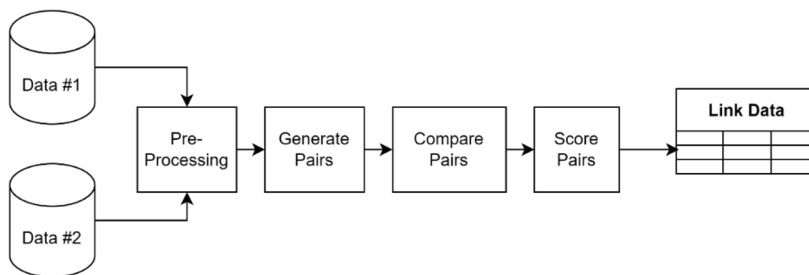
Fig. 1. Record Linkage Steps

Some of these stages can be explained as follows:
- **Pre-processing**: At this stage, several standardizations of the dataset are carried out, such as changing the string to lowercase, eliminating more than one white space, uniforming

the format of the date of birth information.

- **Generate Pairs**: at this stage not all pairs of records in the two data sources will be processed. Only potential records will be processed. At this stage, the blocking and indexing processes are carried out, to obtain potential record pairs.
- **Compare Pairs**: At this stage, a process is carried out to compare the level of similarity between correlated fields using the string similarity function.
- **Score Pairs**: at this stage provide a score value that has calculated the level of similarity at the compare pairs stage. By giving a certain threshold value (Θ), the correct score is obtained to eliminate duplication of records.
- **Link Data**: the last stage is to perform the process of merging or joining two data sources, by first eliminating duplicate records.

3 Results and Discussion

3.1 Pre-Processing Step

The pre-processing stage is the most important stage. At this stage, uniform formatting and field selection are carried out for further processing. Not all fields in both data sources will be used. Only 5 pieces of field information will be used, namely username, name, place of birth, date of birth, and gender. At this stage, it is done to change the string in the name and place of birth fields to lowercase. In addition, if there is more than one white space, it will be deleted and made into one white space only. The following program code segments are used to perform pre-processing stages which are implemented on both dataset sources.

```
# pre-processing steps
def casefolding(text):
    text = text.lower()
    text = text.replace('\s+',' ')
    text = text.strip()
    return text
```

3.2 Generate Pairs

At this stage of generating pairs, indexing and blocking processes will be carried out. This stage will reduce the number of candidate record pairs, because not all records will be compared. Only records that have a high degree of similarity will be used for further processing. Without using blocking, for example, the number of records is 500, a pair of 500 x 500 record pairs or 250,000 will be generated. Of course, this will make computing more complex. By using indexing and blocking, the number of records can be reduced. Using the recordlinkage.Index() function will produce indexing objects obtained from 2 datasets, in this case dfA which comes from academic data, and dfB which comes from research and community service data.

```
# Indexation step
indexer = rl.Index()
indexer.block(username)
candidate_links = indexer.index(dfA, dfB)
```

The important notation used to generate blocked pairs for a column is to call the block() function. After the indexer object is created, the indexer.index() method will be executed on

the two processed dataframes. Generate pairs will generate candidate_links containing multiindex information from both datasets.

3.3 Compare Pairs

At this stage a number of fields will be compared the level of similarity using the Jaro-Winkler similarity function. This method produces a range of values between 0 to 1. A value of 0 means that the two strings are not at all similar, while a value of 1 means that the two strings are the same value. The larger the resulting value, the more similar the two strings are. The following is a segment of program code to compare records.

```
# Comparison step
compare_cl = rl.Compare()
compare_cl.string(username, username, method=jarowinkler, label=username)
compare_cl.string(name, name, method=jarowinkler, label=name)
compare_cl.string(pob, pob, method=jarowinkler, label=pob)
compare_cl.string(dob, dob, method=jarowinkler, label=dob)
compare_cl.string(sex, sex, method=jarowinkler, label=sex)
features = compare_cl.compute(candidate_links, dfA, dfB)
```

3.4 Score Pairs

The score pairs stage is tasked with providing the value of comparing the results between the previous fields. By providing a threshold value (Θ) of more than ($>$) 3, a set of records will be obtained as a result of matching. The following is a code segment for the score pairs program.

```
# Classification step
    matches = features[features.sum(axis=1) > 3]
```

3.5 Link Data

The data link is the final stage in a series of record linkage processes. This stage is tasked with merging or joining two datasets. The first step is to carry out the process to find duplicate records. After that, the duplicated data will be removed, and the results will be added in a new dataset as a result of the merger. The following is a segment of program code to perform the merging process.

```
# get duplicate values
duplicate_rows = matches.index.get_level_values(1)
# Finding duplicates in data2
data1_duplicates = dfB[dfB.index.isin(duplicate_rows)]
# Finding new rows in data2
data2_new = dfB[~dfB.index.isin(duplicate_rows)]
# link both dataframes
data=dfA.append(data2_new)
# save the result of merging data
data.to_csv('output/integrated_data.csv')
```

Figure 2 is the result of the merging of two datasets. A total of 444 records were merged, by eliminating the same records. Figure 2 provides information that after several stages of

deduplication are carried out, the results will be obtained in the form of 1 single dataset as a combination of two datasets. The formed dataset contains data that has no duplication.

	Unnamed: 0	username	name	PoB	DoB	sex
0	0	196804011994032001	risnawati	penyandingan	1968-04-01	P
1	1	196802181993032001	admin polsri	NaN	NaN	NaN
2	2	196209071988031001	muhammad nadjmuddin	palembang	1962-09-07	L
3	3	197303092000032001	fransisca ully marshinta	palembang	1973-03-09	P
4	4	196105071988032001	tiur simanjuntak	medan	1961-05-07	P
...	...	...	...	...	...	...
439	439	1728021989	rio permata	jakarta	1989-02-28	L
440	440	1710041994	r.m. chairil andri	palembang	1994-04-10	L
441	441	1726011994	hadi wijaya	bogor	1994-01-26	L
442	442	1710061982	muhammad junestrada diem	palembang	1982-06-10	L
443	443	1715021982	rima febrianti	palembang	1982-02-15	L

444 rows × 6 columns

Fig. 2. Merging Process Results

4 Conclusion

The establishment of master data management by processing lecturer data has been completed. With a classification technique using a threshold-based approach, a set of data is obtained that meets the merging criteria. From the two datasets, 444 records were obtained as the final result of the merging process. This record will later become the lecturer's master data which can be used by other applications as master data.

As future research, a real-time data merging process can be developed, so changes to each dataset can produce a single dataset that can be used directly. Another aspect that can be implemented is to test the performance of the results of duplication using several parameters to determine the quality of the model that has been developed.

We thank all those who have supported the publication of this article.

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Master Data Management

by M Miftakul Amin

Master Data Management using Record Linkage Toolkit for Integrating Lecturer Master Data

M. Miftakul, *Adi*, *Yevi*

Abstract.

1 Introduction

similarity between two attribute values ai and aj, which is in the range of values $0 \leq s \leq 1$.

2 Methods

Figure 1 shows the steps in merging databases using the record linkage approach. The steps taken include pre-processing, generating pairs, compare pairs, score pairs, and finally link data. All these stages are carried out using the record linkage toolkit library which is implemented in the python programming language.
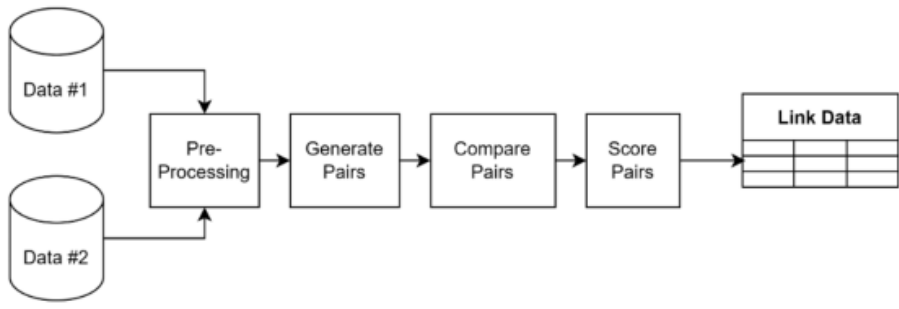

Fig. 1. Record Linkage Steps

Some of these stages can be explained as follows:

*   **Pre-processing**

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- **Generate Pairs**⬜⬜⬜⬜⬜⬜⬜⬜⬜ ⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜ ⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜ ⬜⬜⬜⬜⬜⬜⬜ ⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜ ⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜

- **Compare Pairs**⬜⬜ ⬜⬜⬜⬜⬜⬜⬜ ⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜ ⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜ ⬜⬜⬜⬜⬜⬜⬜⬜ ⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜ ⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜

- **Score Pairs**⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜ ⬜⬜⬜⬜⬜ the compare pairs stage. By giving a certain threshold value (Θ), the correct score is ⬜⬜⬜⬜⬜⬜⬜⬜⬜ ⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜

- **Link Data**⬜⬜⬜⬜⬜⬜⬜⬜⬜ ⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜ ⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜ ⬜⬜⬜⬜⬜⬜⬜⬜ ⬜⬜⬜⬜⬜⬜⬜ ⬜⬜⬜⬜⬜⬜⬜⬜⬜ ⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜

3 Results and Discussion

3.1 Pre-Processing Step

The pre-processing stage is the most important stage. At this stage, uniform formatting and field selection are carried out for further processing. Not all fields in both data sources will be used. Only 5 pieces of field information will be used, namely username, name, place of birth, date of birth, and gender. At this stage, it is done to change the string in the name and place of birth fields to lowercase. In addition, if there is more than one white space, it will be deleted and made into one white space only. The following program code segments are used to perform pre-processing stages which are implemented on both dataset sources.

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3.2 Generate Pairs

At this stage of generating pairs, indexing and blocking processes will be carried out. This stage will reduce the number of candidate record pairs, because not all records will be compared. Only records that have a high degree of similarity will be used for further processing. Without using blocking, for example, the number of records is 500, a pair of 500 x 500 record pairs or 250,000 will be generated. Of course, this will make computing more complex. By using indexing and blocking, the number of records can be reduced. Using the recordlinkage.Index() function will produce indexing objects obtained from 2 datasets, in this case dfA which comes from academic data, and dfB which comes from research and community service data.

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The important notation used to generate blocked pairs for a column is to call the block() function. After the indexer object is created, the indexer.index() method will be executed on

the two processed dataframes. Generate pairs will generate candidate_links containing multiindex information from both datasets.

3.3 Compare Pairs

At this stage a number of fields will be compared the level of similarity using the Jaro-Winkler similarity function. This method produces a range of values between 0 to 1. A value of 0 means that the two strings are not at all similar, while a value of 1 means that the two strings are the same value. The larger the resulting value, the more similar the two strings are. The following is a segment of program code to compare records.

3.4 Score Pairs

previous fields. By providing a threshold value (Θ) of more than (>) 3, a set of records will

3.5 Link Data

The data link is the final stage in a series of record linkage processes. This stage is tasked with merging or joining two datasets. The first step is to carry out the process to find duplicate records. After that, the duplicated data will be removed, and the results will be added in a new dataset as a result of the merger. The following is a segment of program code to perform the merging process.

Figure 2 is the result of the merging of two datasets. A total of 444 records were merged, by eliminating the same records. Figure 2 provides information that after several stages of

deduplication are carried out, the results will be obtained in the form of 1 single dataset as a combination of two datasets. The formed dataset contains data that has no duplication.

	Unnamed: 0	username	name	PoB	DoB	sex
0	0	196804011994032001	risnawati	penyandingan	1968-04-01	P
1	1	196802181993032001	admin polsri	NaN	NaN	NaN
2	2	196209071988031001	muhammad nadjmuddin	palembang	1962-09-07	L
3	3	197303092000032001	fransisca ully marshinta	palembang	1973-03-09	P
4	4	196105071988032001	tiur simanjuntak	medan	1961-05-07	P
...	...	...	...	...	...	...
439	439	1728021989	rio permata	jakarta	1989-02-28	L
440	440	1710041994	r.m. chairil andri	palembang	1994-04-10	L
441	441	1726011994	hadi wijaya	bogor	1994-01-26	L
442	442	1710061982	muhammad junestrada diem	palembang	1982-06-10	L
443	443	1715021982	rima febrianti	palembang	1982-02-15	L

444 rows × 6 columns

Fig. 2. Merging Process Results

4 Conclusion

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As future research, a real-time data merging process can be developed, so changes to each dataset can produce a single dataset that can be used directly. Another aspect that can be implemented is to test the performance of the results of duplication using several parameters to determine the quality of the model that has been developed.

References

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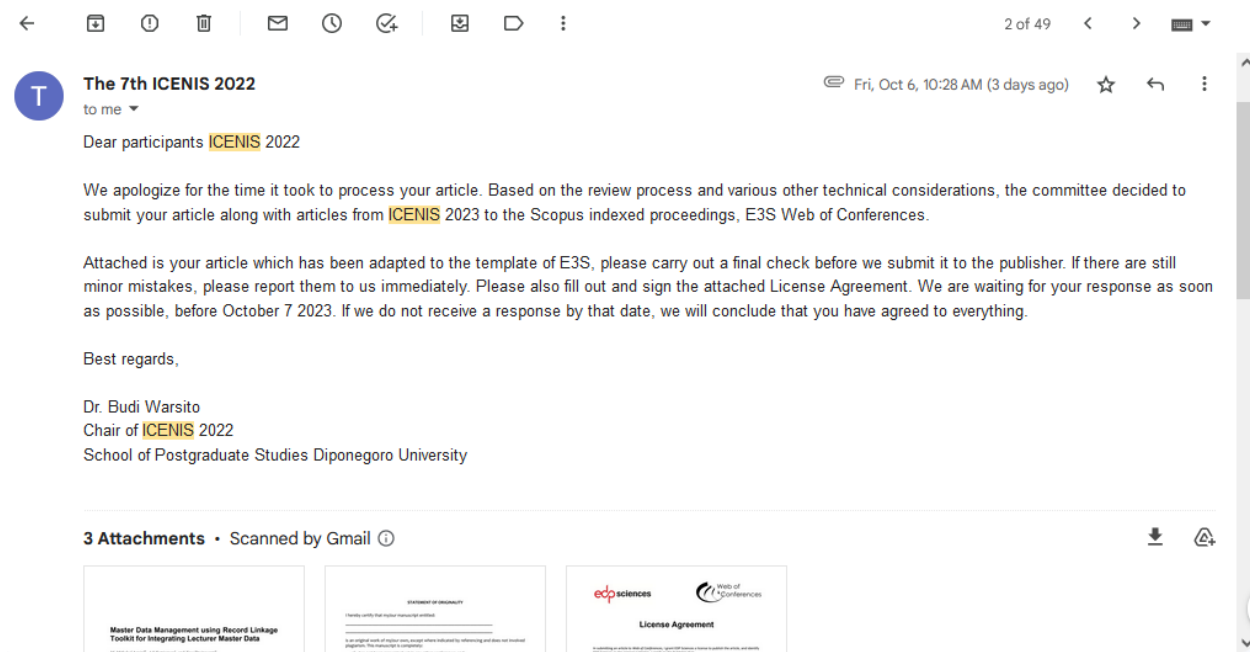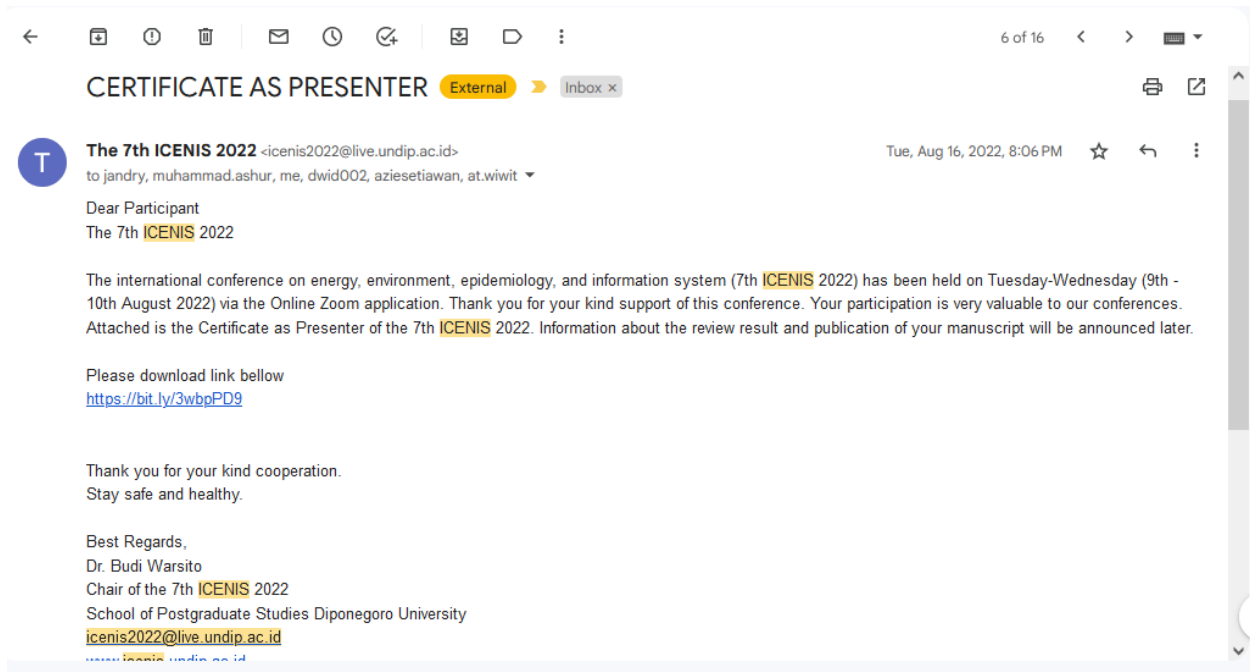
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After the pre peer-review process, we are pleased to inform you that your paper has been accepted by the Scientific Committee of the International Conference on the Energy, Environment, Epidemiology, and Information System 2022 (7th ICENIS 2022) to be presented at the Conference. The conference will be held online from 9-10 August 2022. Please note, that this Letter of Acceptance is also considered an Invitation Letter.

The conference fee can be paid with the Virtual Account above. We will appreciate it if you make a payment before July 25th. Send your proof of payment to icenis2022@live.undip.ac.id. Guideline of payment can be seen at this link http://bit.ly/GuidelinesForPaymentICENIS.

The review of full paper will be processed after the payment. When you got the result from the reviewer, the revised manuscript has to be uploaded before the conference date and the result of similarity using Turnitin software has also to be uploaded. If you have difficulties, you may send the documents by email to make them secure.

Selected papers are possible to be published in the proceeding of E3S Web of Conference (Indexed by Clarivate Web of Science) and AIP (Indexed by SCOPUS), or special issue of the journals[*]: Environment and Ecology Research (indexed by SCOPUS Q3), Civil Engineering and Architecture (SCOPUS Indexed Q2), Food Science and Technology (Indexed by SCOPUS Q4), Mathematics and Statistics (Indexed by SCOPUS Q4), Universal Journal of Agricultural Research (Indexed by SCOPUS Q3), International Journal of Human Movement and Sports Sciences (Indexed by SCOPUS Q3). Please note that this LoA is not a guarantee that your paper will be published in the journals/proceedings. Therefore, you have to follow the revision process, a timeline of submission, and the guideline. We will be left behind for late submission. Your collaboration will be very helpful to the publication process.

We are looking forward to welcoming you to our conference.

Semarang, July 19th 2022

Sincerely,
Organizing Committee of ICENIS 2022
Chairperson,

Dr. Budi Warsito, S.Si, M.Si.

[*] with the additional fee

MINISTRY OF EDUCATION, CULTURE, RESEARCH, AND TECHNOLOGY
DIPONEGORO UNIVERSITY
SCHOOL OF POSTGRADUATE STUDIES

Certificate of Appreciation

Number : 101/UN7.M1/LL/VIII/2022

This certificate is presented to

M. Miftakul Amin

In gratitude for the outstanding contribution as

Presenter

7th International Conference on Energy, Environment, Epidemiology and Information System

(7th ICENIS 2022)

"Reconciliation of energy, environment, health and digital information
after the Covid-19 pandemic for global prosperity"

Organized by School of Postgraduate Studies Diponegoro University

Semarang - Indonesia on August 9th - 10th, 2022

Dr. R. B. Sularto, S.H., M.Hum.
Dean

Dr. Budi Warsito, S.Si., M.Si.
Chairperson