

MAKALAH ILMIAH

RELATIONSHIP BETWEEN CLEFT TYPE AND BODY WEIGHT  
IN CLEFT BABIES AGED 0-5 YEARS OF AGE

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KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET  
DAN TEKNOLOGI UNIVERSITAS JEMBER



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*The 5<sup>th</sup> Intenational Conference on Agromedicine & Tropical Disease  
– Society 5.0: New Challenges and Opportunities on Tropical  
Diseases and Agromedicine  
1-2 August 2024*



# THE 5<sup>TH</sup> INTERNATIONAL CONFERENCE ON AGROMEDICINE & TROPICAL DISEASE

SOCIETY 5.0: New Challenges and Opportunities  
on Tropical Diseases and Agromedicine

## ABSTRACT BOOK



1-2 AUGUST 2024



## ACKNOWLEDGEMENTS

The Organizers ICATD-5 2024 express sincere appreciation and thanks to all those who have contributed their kind support to facilitate this conference.



## WELCOMING ADDRESS

On behalf of the organizing committee, I am truly honored to take this opportunity to welcome you to the 5th ICATD 2024, following the success of the 4th ICATD conference in 2022.

The need for Agromedicine research for the improvement of occupational and environmental health and safety in agriculture is growing. The challenges in tropical diseases are also increasing and require global solutions to prevention and elimination. This event would facilitate the dissemination of research on this topic, and surely, it will be an outstanding place for networking opportunities to discuss interesting ideas and develop fruitful projects in the future. As a major goal of this event, we hope that it can be an excellent chance to coordinate new partnerships that advance collaboration in the research field as well as the careers of all participants.

The 4th ICATD provides an opportunity to network with others with similar interests, to hear and discuss the fuse of acknowledged experts, and to present your work through an oral and poster presentation. The 5th ICATD will be held on August 1<sup>st</sup> – 2<sup>nd</sup> 2024 in the Faculty of Medicine, Universitas Jember.

It is a great privilege for me to serve as the chairman of the 5th ICATD. I hope that you will find this international event valuable and enjoyable, and will expand our horizon on Agromedicine and Tropical Diseases.

I am looking forward to seeing you at the virtual conference.

Warm regards,

Dr. dr. Sugiyanta, M.Ked.  
The Chairman of The 5th ICATD

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## GENERAL INFORMATION FOR THE PARTICIPANTS

### Registration Information

#### Conference Venue

- The venue for the conference is the Auditorium Hall of Universitas Jember, Jember East Java, Indonesia

#### Registration

- Registration includes:
  - ICATD 2024 Abstract Book
  - ID Card
  - Document Bag
  - Refreshments (coffee and tea) during the conference day
  - Buffet lunch

#### ID Card

- Participants are requested to display their ID Card during the conference for entry to scientific sessions, meals, and the welcome reception.

#### Instruction for the Moderator

- Please ensure that the sessions and speaker presentations are kept strictly on time.

#### Instruction for Speakers (Keynote Speaker and Oral Presenter)

- Speakers are requested to submit their presentation to the audio-visual committee officer at the registration place.
- 45 minutes were allocated for each keynote speaker, including answering the questions.
- Speakers for oral presentations were given 10 minutes, including answering questions.
- Please be aware that the above times must be strictly adhered to.
- Oral presentations will be assessed and selected for best 1,2 and 3.

5<sup>th</sup> ICATD COMMITTEE

|                                  |  |
|----------------------------------|--|
| Steering Committee               | dr. Ulfa Elfiah, M.Kes., Sp.BP-RE., Subsp. L.B.L.(K).<br>dr. Ida Srisurani Wiji Astuti, M.Kes., FISPH., FISCM.<br>dr. Heni Fatmawati, M.Kes.,Sp.Rad., N-KL.(K).<br>dr. Yudha Nurdian, M.Kes.   |
| Organizing Committee<br>Chairman | Dr. dr. Sugiyanta, M.Ked.  |
| Secretary                        | dr. Dini Agustina, M.Biomed<br>dr. Rosita Dewi, M.Biotek   |
| Secretariat division             | dr. Dwita Aryadina Rachmawati, M.Kes<br>dr. Zahrah Febianti, M.Biomed<br>dr. Eny Nurmaida, M.Bio.Et  |
| Publication division             | dr. Sheila Rachmania, M.Biotek<br>dr. Bagus Hermansyah, M.Biomed<br>Indra Jaya Nugraha, S.H  |
| Sponsorship division             | dr. Nindya Shinta Rumastika, M.Ked Sp.THT-KL<br>dr. Arsyilma Hakim, M.H., M.Bio.Et<br>dr. Novan Krisno Adji, Sp.BS<br>dr. Dita Diana Parti, Sp. OG<br>Dr.dr. Rini Riyanti, Sp.PK   |
| Event division                   | Dr.dr. Hairrudin, M.Kes.<br>dr. Elvia Rahmi Marga Putri, S.Ked., M.Biomed<br>dr. Desi Dwi Wisudanti, M.Biomed<br>Dr.dr. Dina Helianti, M.Kes<br>dr. Laksmi Indreswari, Sp.B  |
| Scientific division              | Dr.dr. Yunita Armiyanti, M.Kes., Sp.Par.K<br>Dr.dr. Muhammad Ihwan Narwanto, M.Sc<br>Dr.dr. Diana Chusna Mufida, M.Kes<br>Dr. rer.biol.hum, dr. Erma Sulistyaningsih, M.Si<br>GCerAgHealthMed<br>dr. Supangat, M.Kes., Ph.D., Sp.BA<br>dr. Ancah Caesarina Novi Marchianti, Ph.D |
| IT division                      | dr. Azham Purwandhono, M.Si., Sp.N<br>Ahmad Kodri Riyandoko, A.Md.Kep<br>Rizqi Mardiana<br>Laksono Hadi Prasetyo, A.Md.Kep<br>Ns. Novi Wiarti KS, S.Kep<br>Sunarto<br>Budi Suprayitno  |

Muhammad Yusuf

Public relation division

dr. Inke Kusumastuti, M.Biomed,Sp.KJ  
dr. Ayu Munawaroh Azis, M.Biomed

Consumption division

Dr.dr. Wiwien Sugih Utami, M.Sc  
Suhaimah, S.E.,M.M  
Sulistyoningsih, S.E  
Ika Pudji Hartatik, A.Md





TIMETABLE

| TIME                              | ACTIVITY  | ANNOTATION  |
|-----------------------------------|---|---|
| <b>1<sup>st</sup> August 2024</b> |   |   |
| 07.00 – 08.00                     | <ul style="list-style-type: none"> <li>- Registration – participants admitted</li> <li>- Introducing FK UNEJ – Agromedicine</li> <li>- Greetings from partner</li> </ul>  | <b>Committee</b>  |
| 08.00 – 08.30                     | <p style="text-align: center;"><b>Opening Ceremony</b></p> <p style="text-align: center;">display:</p> <p style="text-align: center;"><b>“Indonesia Raya”</b></p> <p style="text-align: center;"><b>“Hymne UNEJ”</b></p> <hr/> <p style="text-align: center;"><b>Welcome Speech</b></p> <p style="text-align: center;">Chairman</p> <p style="text-align: center;">Dean of Medical Faculty,<br/>Universitas Jember</p> <p style="text-align: center;"><b>Opening Remarks</b></p> <p style="text-align: center;">Rector of Universitas Jember</p> <hr/> <p style="text-align: center;"><b>Agromedicine Dance</b></p> | <p style="text-align: center;"><b>Committee</b></p> <p style="text-align: center;">Dr. dr. Sugiyanta, M.Ked</p> <p style="text-align: center;">Dr. dr. Ulfa Elfiah, M.Kes., Sp.BP-RE.,<br/>Supsp. L.B.L(K)</p> <p style="text-align: center;">Dr. Ir. Iwan Taruna, M.Eng., IPM</p> <p style="text-align: center;">Committee</p> |
| 08.30 – 10.30                     | <p><b>PLENARY SESSION 1</b></p> <p><b>Speaker 1:</b><br/>Prof. Dr. Zailina Hashim, Ph.D<br/><i>Management of Environmental Health in Malaysia (08.30 - 09.15)</i></p> <p><b>Speaker 2:</b><br/>Prof. Junko Tanaka<br/><i>Epidemiology of HBV and HCV in Japan &amp; Challenges Towards</i></p>  | <p style="text-align: center;"><b>Moderator</b></p> <p style="text-align: center;">dr. Laksmi Indreswari, Sp.B</p>  |

|    |  |     |   |
|----|--|-----|---|
| 6  | Dini Agustina, Wulan Angraini, Erfan Efendi, Enny Suswati, Diana Chusna Mufida   | G6  | Impact Of Inducing 65.5 Kda Pili Protein From Klebsiella Pneumoniae On Il-5 Concentrations In Balb/C Mice   |
| 7  | Yunita Armiyanti, Bagus Hermansyah, Bagus Hermansyah, Diana Chusna Mufida, Dini Agustina, M.Ali Shodikin, Enny Suswati | G7  | Intestinal Worm Co-Infection and Sanitation Hygiene Risk Factors In Pulmonary TB Patients in Jember Regency   |
| 8  | Nidya Meilani, Dewi Dianasari, Indah Yulia Ningsih   | G8  | Phytochemical Identification And Antibacterial Activity Test Of Leucas Lavandulifolia Against Escherichia Coli  |
| 9  | Afifah Machlaurin, Nurul Karimah, Ika Norcahyanti, Khoiriyatul Muhlishoh Arwi  | G9  | Cost-Effectiveness Analysis of Shorter Treatment Antibiotic Regimen Multidrug Resistance Tuberculosis (MDR-TB): a pilot study in a TB Referral Hospital in Jember |
| 10 | Bagus Hermansyah, I Gede Aditya Arya Putra, Yudha Nurdian, Yunita armiyanti, Wiwien Sugih Utami                        | G10 | The Relationship Between Ascariasis And Immunoglobulin E Levels In Farmers In Rural Jember Regency  |
| 11 | Enny Suswati, Dini Agustina, Rini Riyanti, M. Ali Shodikin, Elly Nurus Sakinah   | G11 | Contamination Status of Salmonella spp., and Escherichia coli isolated from Groundwater in Jember, Indonesia  |
| 12 | Salsabila Rahmani, Sheilla Rachmania, Diana Chusna Mufida  | G12 | Molecular Docking Mpb83 Protein On B2, B3, And A5B1 Integrins: Pathogenesis Of Bovine Tuberculosis In Humans  |

**Room H: Miscellaneous**

| No | Name  | Code | Title  |
|----|---|------|--|
| 1  | Maulida Putri Syarifani, <b>Aris Prasetyo</b> , Azham Purwandhono   | H1   | The Effect of Dates (Phoenix dactylifera) Infusion Drink on Maximal Oxygen Volume in Young Adults Non-Athletes                             |
| 2  | <b>Ulfa Elfiah</b> , Kushariyadi  | H2   | Relationship between Cleft Type and Body Weight in Cleft Babies Aged 0-5 Years   |
| 3  | Oktarina, Mohd. Nasri Awang Besar, Zaleha Md Isa  | H3   | Development Of Specific Entrustable Professional Activities For Agro-Medicine: An Insight  |
| 4  | Dr. Patricia Marie Villano, RRT, Philip Junemer Lasaca, Cedrick Miguel Villanueva, Jireh Shamma Villamor, Karlvin Caesar Bernardo | H4   | Helping With The Transition: The Use Of Mri And Ct Simulation For Incoming Radtech Interns Of A Higher Education Institution In Davao City |
| 5  | Dr. Patricia Marie D. Villano, RRT, Ai B. Banzali, Jela Mari S. Aguilar, Jude Benedict D.Fuentes                                  | H5   | Assessing The Knowledge, Skills, And Perceived Internship Readiness Among Incoming Radiologic Technology Interns                           |

## RELATIONSHIP BETWEEN CLEFT TYPE AND BODY WEIGHT IN CLEFT BABIES AGED 0-5 YEARS

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### Abstract

**Objectives:** Baby with cleft lip and palate are underweight due to inadequate nutritional status, which puts their physical growth at risk. This can have an impact on malnutrition. The aim of the research is to determine the relationship between cleft type and body weight (nutritional status) in baby. **Methods:** The research design uses a cross-sectional study. The sample of respondents was 110 baby with cleft lip and palate taken using consecutive sampling technique. Respondent inclusion criteria include: baby age 0-5 years. Place of data collection at Paru Jember Hospital. Research data was taken from 2023 to 2024 and informed consent was obtained from respondents. Data collection uses physical examination of respondents. The research data were subjected to bivariate analysis tests, namely Spearman's rho and z score using SPSS statistical software. **Results:** The results of the study showed that the types of clefts included: unilateral cleft lip as much as 46.9%, cleft palate as much as 20.3%, unilateral cleft lip and palate as much as 4.9%, bilateral cleft lip 2.8%, bilateral cleft lip and palate as much as 2.1%. Based on body weight (nutritional status), it was found: undernourished 4.9%, normal 62.2%), overweight (9.8%). The results of statistical tests using Spearman's rho show a value of  $p = 0.755$  ( $p > 0.05$ ) with a correlation coefficient of 0.30, which means there is no strong relationship between the type of cleft and body weight (nutritional status). The z score result of the type of cleft lip on body weight (nutritional status) is  $1.759 \pm 1-5$ , which is a positive value, which means that babies who have various types of cleft lip do not have a risk of malnutrition, but on the contrary, the baby's weight increases (nutritional status). Babies who have various types of cleft lip do not have a risk of malnutrition, but on the contrary, the baby's weight (nutritional status) increases. This is due to the factor of providing proper nutrition by parents to babies. Providing nutrition in the right and regular manner and using the right tools can increase nutritional intake. **Conclusions:** There is no relationship between cleft type and baby's weight.

**Keywords:** body weight, cleft lip and palate, nutritional status



# Relationship between Cleft Type and Body Weight in Cleft Babies Aged 0-5 Years of Age

Ulfa Elfiah, Kushariyadi

WORKING IN HARMONY, NURTURING THE FUTURE  
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## BACKGROUND

Babies with cleft lip and palate are underweight due to inadequate nutritional status, which puts their physical growth at risk. This can have an impact on malnutrition.

In a US study of 883 babies with orofacial clefts at risk of underweight (2.3%)

The majority of babies with orofacial clefts were underweight between birth and 1 month (10.6%), peaking between 2 and 3 months (27.1%), and remains high between 5 and 6 years of age (16.3%) (McKinney et al., 2023).

# BACKGROUND

**Research in Indonesia on 1,899 babies with cleft lip and palate:  
The prevalence of stunting (24.4%), wasting (12.5%), and overweight (12.9%) was high  
while underweight (6.8 %) is relatively low (Rafisa et al., 2023).**



## METHODS

The research design uses a cross-sectional study.

The sample was 110 babies with cleft lip and palate, using consecutive sampling technique.

Inclusion criteria: baby age 0-5 years of age.

Place of data collection at Paru Jember Hospital. Research data from 2023-2024, informed consent has been obtained. Data collection uses physical examination.

The data was tested for bivariate analysis, namely Spearman's rho and z score using SPSS statistical software.



Table 1. Distribution of main cleft types for age, sex, and weight

|                                       | All<br>(n = 110) | Unilateral<br>cleft lip<br>(n = 67) | Bilateral cleft<br>lip<br>(n = 4) | Cleft lip and<br>palate<br>unilateral<br>(n = 7) | Cleft lip<br>and palate<br>bilateral<br>(n = 3) | Cleft palate<br>(n = 29) |
|---------------------------------------|------------------|-------------------------------------|-----------------------------------|--|---|--------------------------|
|                                       | n (%)            | n (%)                               | n (%)                             | n (%)  | n (%)   | n (%)                    |
| <b>Age groups (year):</b>             |                  |                                     |                                   |  |   |                          |
| 0-1                                   |                  | 55 (36,85)                          | 2 (0,08)                          | 5 (0,35)   | 1 (0,03)  | 15 (4,35)                |
| 1-2                                   |                  | 10 (6,7)                            | 1 (0,04)                          | 1 (0,07)   | 2 (0,06)  | 10 (29)                  |
| 2-3                                   |                  | 0 (0)                               | 1 (0,04)                          | 1 (0,07)   | 0 (0)   | 3 (0,87)                 |
| 3-4                                   |                  | 1 (0,67)                            | 0 (0)                             | 0 (0)  | 0 (0)   | 1 (0,29)                 |
| 4-5                                   |                  | 1 (0,67)                            | 0 (0)                             | 0 (0)  | 0 (0)   | 0 (0)                    |
| <b>sex:</b>                           |                  |                                     |                                   |  |   |                          |
| Male                                  | 73 (51,0)        | 42 (28,14)                          | 3 (0,12)                          | 3 (0,21)   | 2 (0,06)  | 23 (6,67)                |
| Female                                | 37 (25,9)        | 25 (16,75)                          | 1 (0,04)                          | 4 (0,28)   | 1 (0,03)  | 6 (1,74)                 |
| <b>Weight measurements per child:</b> |                  |                                     |                                   |  |   |                          |
| Malnutrition                          | 7 (4,9)          | 6 (4,02)                            | 0 (0)                             | 0 (0)  | 0 (0)   | 1 (0,29)                 |
| Normal                                | 89 (62,2)        | 53 (35,51)                          | 2 (0,08)                          | 7 (0,49)   | 3 (0,09)  | 25 (7,25)                |
| Over Weight                           | 14 (9,8)         | 8 (5,36)                            | 2 (0,08)                          | 0 (0)  | 0 (0)   | 3 (0,87)                 |





**The results of table 1 show that the types of clefts include:**

**Unilateral cleft lip :67 (46.9%),**

**cleft palate :29 (20.3%),**

**unilateral cleft lip and palate :7 (4.9%),**

**Bilateral cleft lip 4 (2.8%), bilateral cleft lip and palate 3 (2.1%).**

**Based on body weight (nutritional status), it was found:**

**normal 89 (62.2%),**

**overweight 14 (9.8%),**

**malnourished 7 (4.9%).**



Table 2. Correlations cleft types with weight, and z score

|                         | r     | p-value | z score   |
|-------------------------|-------|---------|-----------|
| Cleft types -<br>weight | 0,030 | 0,755   | 1,759±1-5 |

The results of the Spearman's rho statistical test show a value of  $p = 0.755$  ( $p > 0.05$ ) with a correlation coefficient of 0.30, which means there is no strong relationship between the type of cleft and body weight (nutritional status).

The z score result of the type of cleft lip on body weight (nutritional status) is  $1.759 \pm 1-5$ , which is a positive value, which means that babies who have various types of cleft lip do not have a risk of malnutrition, but on the contrary, the baby's weight increases (nutritional status).



## Discussion

The results showed that the majority of body weights (nutritional status) were normal 89 (62.2%), overweight 14 (9.8%), and malnourished 7 (4.9%).

The results of other research show that from a sample of 1,899 records after data validation, it was found that the prevalence of stunting (24.4%), wasting (12.5%), and overweight (12.9%) were high, while cases of underweight 6.8%) is low. This is because it is influenced by factors such as age, gender and body mass index (Rafisa et al., 2023).

The results of another study of 602,568 children showed that the overall prevalence of underweight at the time of primary cleft surgery was 28.6%. This is influenced by the belief that cleft defects are not considered a life-threatening condition and the high burden of malnutrition among patients undergoing surgery (Delage et al., 2022).



## Discussion

The results of this study showed that there was no strong relationship between the type of cleft and body weight (nutritional status) and The z score shows babies who have various types of cleft lip do not have a risk of malnutrition, but on the contrary, the baby's weight increases (nutritional status).



Studying the nutritional behavior of children can affect the quality of health assessment and provision of preventive and therapeutic care for healthy and ill children and improve the health of children who are the future of the society.

Based on the findings of the other study, it is suggested that steps be taken to help these children and their parents through targeted investigation regarding nutrition, assessment of nutritional behaviors of children with cleft lip and/or palate and children with different health conditions, and consideration of measures taken by the families in relation to children's nutrition.(Hasanpour, Manzeh,et all.2017)



- **The results of other research also show that the demographic factor and low family economic income influence risk of malnutrition (Taufique et al., 2022).**



## CONCLUSION

**There is no relationship between cleft type and baby's weight. Suggestions for parents of cleft sufferers include improving proper and regular feeding management to maintain the nutritional status of children with cleft palates, setting a schedule for frequent exclusive breastfeeding, using bottles with teats, and consuming mashed foods.**



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**Tentative Schedule for Oral Presentation**  
**The 5<sup>th</sup> International Conference on Agromedicine and Tropical Diseases (ICATD 5)**  
**Faculty of Medicine University of Jember, Indonesia**  
**August 1<sup>st</sup>-2<sup>nd</sup> 2024**

| Day One: August 1 <sup>st</sup> , 2024 |   |  |               |      |   |
|--|---|--|---------------|------|---|
| Room A: Protozoa Infection             |   |  |               |      |   |
| No                                     | Moderator                                       | Name   | Time Schedule | Code | Title   |
| 1                                      | Dr.dr. Yunita<br>Armiyanti, M.Kes.,<br>Sp.Par.K | <b>Devi Maya Arista</b> , Karunia<br>Wijayanti, Nidya Comdeca<br>Nurvitriana   | 14.45-14.55   | A1   | Malaria Prevention Strategies in Pregnancy:<br>Midwifery-Care   |
| 2                                      |   | <b>Istiana Istiana</b> , Heny Arwati,<br>Muhammad Dawud Ashari   | 14.55-15.05   | A2   | Natural Igg Antibody Response in Forest<br>Malaria Endemic Areas To Plasmodium Sp<br>Merozoite Surface Protein – 1 In South<br>Kalimantan Indonesia |
| 3                                      |   | <b>Erma Sulistyaningsih</b> , Annisya<br>Adiratna Maharani, Rosita Dewi,<br>Irawan Fajar Kusuma, Sheilla<br>Rachmania        | 15.05-15.15   | A3   | Effect Of High Dose Dbl2b-Pfemp1<br>Recombinant Protein on Wistar Rats Liver'S<br>Structure and Function as Malaria<br>Vaccine Candidate            |
| 4                                      |   | Teguh Prasetyo, Erma<br>Sulistyaningsih, <b>Rosita Dewi</b> ,<br>Irawan Fajar Kusuma, Sheilla<br>Rachmania                   | 15.15-15.25   | A4   | Liver Histopathological Evaluation After<br>Injection of Cidr1A-Pfemp1 Protein<br>Recombinant in Rats   |
| 5                                      |   | <b>Fitriah</b> , Didik Muhammad<br>Muhdi, Ariska Ulansari, David<br>Nugraha, Alfaries Radea<br>Marciantoro, Sukmawati Basuki | 15.25-15.35   | A5   | The Comparison of Malaria Diagnosis by<br>Rapid Diagnostic Test, Microscopy, And<br>Polymerase Chain Reaction In West Sumba<br>Indonesia            |

|    |  |   |             |     |   |
|----|--|---|-------------|-----|---|
| 6  |  | Arnoldina Dolfina Dua Weni, Fitriah, Maria Bernadina Sada Nenu, Maria Valentina Tory, <b>Lynda Rossyanti</b> , Sukmawati Basuki | 15.35-15.45 | A6  | Access to Malaria Treatment and Adherence of Taking Anti-Malaria Drug In Uncomplicated Malaria Patients in Sikka District Indonesia |
| 7  |  | <b>Fuad Minan Zuhri</b> , Rosyinta Muim, Bambang Purwanto, Heny Arwati  | 15.45-15.55 | A7  | Effect of Goat Bile on Anemia and The Fitness of Mice Infected Plasmodium Berghei Anka  |
| 8  |  | <b>Rosyinta Muim</b> , Heny Arwati, Bambang Purwanto, Fuad Minan Zuhri  | 15.55-16.05 | A8  | The Effect of Goat Bile Fluid on Parasitaemia Levels And IL-12 Levels in Mice Infected with Plasmodium Berghei Anka                 |
| 9  |  | <b>Siti Fadilla</b> , Dita Twi Urmadani, Naura Zhafira, Nuning Winaris, Aulia Rahmi Pawestri                                    | 16.05-16.15 | A9  | Evaluation of the Diagnostic Accuracy of Elisa in Toxoplasmosis Detection: A Meta-Analysis  |
| 10 |  | <b>Dita Twi Urmadani</b> , Siti Fadilla, Naura Zhafira, Loeki Enggar Fitri, Aulia Rahmi Pawestri                                | 16.15-16.25 | A10 | Antigenicity Prediction of Toxoplasma Gondii Rop8 as A Candidate for Immunodiagnostic Development                                   |

## Room B: Clinical Field

| No | Moderator  | Name   | Time        | Code | Title   |
|----|--|--|-------------|------|---|
| 1  | dr. Sonny Soebjanto, Sp THT K.L./Dr. dr. Diana Chusna M, M.Kes | <b>Tri Hedianto</b> , Moch. Avin, Yusril Firman Alfarisi, Aditya Juan Drata, Edwin Nugroho Njoto | 14.45-14.55 | B1   | Transforming Otitis Media Care: A Clinical Perspective on Ai-Powered Cnn-Based Diagnosis  |
| 2  |  | <b>Dina Nugraheni</b> , Tri Hedianto, R Rosa Alfi Nur, Edwin Nugroho Njoto, Putri Hersya Maulia  | 14.55-15.05 | B2   | Rainy Season Onslaught: Uncovering The Link Between Weather and Otitis Media in Indonesia |

|    |  |             |     |  |
|----|--|-------------|-----|--|
| 3  | <b>Satria Eureka</b><br>Nurseskasatmata, Anja Hesnia<br>Kholis, Novianti Lailiah   | 15.05-15.15 | B3  | Pain Management in Patients with Diabetic Neuropathy: A Literature Review  |
| 4  | <b>Siska Christianingsih</b> , Dessy<br>Rindiyanti Harista, Rizky<br>Rachmatullah  | 15.15-15.25 | B4  | Factors That Influence Sudden Cardiac Arrest in Athletes: A Literature Review  |
| 5  | <b>Marc Lewis T. Fernandez</b> ,<br>Andrea Dianne Cartagena,<br>Myra Jessa Salarde, Ira Clariza<br>Basuel, Charlotte Pahit   | 15.25-15.35 | B5  | Pharma Hears: Assessment Of a Pharma Counselling Response Toolkit for Deaf and Hard-Of-Hearing Patients  |
| 6  | Isabel Louise M. Piccio,<br><b>Martinelle Juliene P. Beltran</b> ,<br>Franz O'Neil B. Aparejo,<br>Julyannah Agnes A. Ocampo  | 15.35-15.45 | B6  | Physical Therapy Rehabilitation in Davao City: The Case of Malasakit Centres Act Of 2019   |
| 7  | Summer Jyane B. Tumulac  | 15.45-15.55 | B7  | Assessing The Level of Medication Regimen Complexity of Type 2 Diabetes Mellitus Adult Patients in Santo Tomas Municipality Using an Adopted Mrci Tool: A Prevalence Study |
| 8  | <b>Gino Adrian G. Salanatin</b> , Jesse<br>James M. Suralta, Johannes B.<br>Tulang, Devin L. Revilla, RRT,<br>MSRT, MPA, RSO | 15.55-16.05 | B8  | The Mediating Effect of Feedback Quality on The Level of Clinical Simulation Exercises and Clinical Competence Of Radiologic Technology Interns                            |
| 9  | <b>Rizky Rachmatullah</b> , Risyda<br>Zakiyah Hanim, Caturia Sasti<br>Sulistiyana  | 16.05-16.15 | B9  | The Effectiveness of Android Based Application "Si Gemas" In Overcoming Osteoarthritis Disturbances in The Activity Daily Living of Elderly                                |
| 10 | <b>La Saudi</b> , Muhamad Ridlo,<br>Wiwin Sulistyawati   | 16.15-16.25 | B10 | The Impact of Physical Activity on The Motor Skills of Children with Chronic Diseases: A Systematic Review   |

**Room C: Toxicology-Functional Food**

| No | Moderator                        | Name   | Time        | Code | Title   |
|----|----------------------------------|--|-------------|------|---|
| 1  | Dr. dr. M. Ihwan Narwanto, M.Sc. | <b>Rahmantio Adi</b> , Supriono, Syifa Mustika, Bogi Pratomo Wibowo  | 14.45-14.55 | C1   | The Experiment Of Moringa Oleifera Leaf Ethanol Extract To Trail-R2 (Tumor Necrosis Factor Related Apoptosis Inducing Ligand-Receptor 2) Expression In Ahsc (Activated Hepatic Stellata Cell) And Grading Of Fibrosis In Rats Model Liver Fibrosis Due To Ccl4 (Carbon Tetrachloride) Induction |
| 2  |                                  | <b>Ancah Caesarina Novi Marchianti</b> , Elvia Rahmi Marga Putri, Dwita Aryadina Rachmawati, Jauhar Firdausi, Elly Nurus Sakinah | 14.55-15.05 | C2   | The Impact of Exposure To Industrial Tobacco Dust On Metabolic Parameters   |
| 3  |                                  | Elly Nurus Sakinah, Desie Dwi Wisudanti, Cholis Abrori, Supangat, Cich Komariah, <b>Galang Cahyo Pamungkas</b>                   | 15.05-15.15 | C3   | Comparison Of Trademark and Analytical Standard Chlorpyrifos Toxicity On Rats Butyrylcholinesterase Serum Level   |
| 4  |                                  | Aghnia Rosdha Nadea, Rosita Dewi, Pipiet Wulandari, Dina Helianti, <b>Sheilla Rachmania</b>                                      | 15.15-15.25 | C4   | Shallot Peel Infusion Effect on Seminiferous Tubule   |
| 5  |                                  | <b>Fifteen Aprila Fajrin</b> , Fransiska Maria Christianty, Ika Puspita Dewi   | 15.25-15.35 | C5   | Toxicity Test, Dermal Acute Irritation, And Anti-Inflammatory Activity of Cocoa ((Theobroma Cacao L.) Podhusk Ethanol Extract Emulgel   |
| 6  |                                  | <b>Endah Puspitasari</b> , Adinda Nadia Naufalia, Banun Kusumawardani, Ika Rahmawati Sutejo                                      | 15.35-15.45 | C6   | Daidzein Content Profile in Rhizopus Oligosporus-Fermented Edamame Using Tlc-Densitometry: Validation Method and Determination  |
| 7  |                                  | <b>Tejasari</b> , Ninna Rohmawati, Dewi Rokhmah, Wiwien Sugih Utami, Rondhianto  | 15.45-15.55 | C7   | Intervention Of Cookies Complementary Foods Supplemented with Mungbean and Cowpea Flour Improved The Physical Growth Of Stunted 12-24 Months Old Children   |

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| 8  |  | <b>Hilalaisyatu Darojah</b> , Fifteen Aprila Fajrin, Diana Holiday                              | 15.55-16.05 | C8  | Acetylcholinesterase And Butyrylcholinesterase Inhibitory Activity of Ethanolic Extract of Cocoa Pod Husk (Theobroma Cacao L.)   |
| 9  |  | <b>I Dewa Ayu Susilawati</b> , Syafa Regita Pramesti, I Dewa Ayu Ratna Dewanti                  | 16.05-16.15 | C9  | Antioxidant Activity of Coffee Cascara and Its Effect on Inhibition of Monocytes Superoxide Radical Production   |
| 10 |  | <b>Nurhayati</b> , Achmad Subagio, Ari Syahwati Puji Lestari, Enny Suswati, Ragil Ismi Hartanti | 16.15-16.25 | C10 | Malnutrition Preventing Through Tropical Cookies Bar Contains Prebiotic, Nutritional and High Calories   |
| 11 |  | <b>Sugiyanta</b> , Arini Widyastuti, Pipiet Wulandari, Hairrudin, Erfan Efendi                  | 16.25-16.35 | C11 | Comparison of Consumption Robusta Brewed Coffee and Robusta Corn Coffee on The Cardiac Work and Respiratory Of Medical Students Of Faculty Of Medicine, University of Jember |

#### Room D: Pharmacology-Pharmacy

| No | Moderator  | Name   | Time        | Code | Title  |
|----|--|--|-------------|------|--|
| 1  | Dr.rer.biol.hum. dr. Erma Sulistyaningsih, M.Si., GCert.AgHealthMed. | Sattya Arimurti, <b>Evi Umayah Ulfa</b> , Kartika Senjarini, Madaniyah   | 14.45-14.55 | D1   | Isolation And Screening of Fibrinolytic-Producing Bacteria from Tofu Waste Disposal Soil   |
| 2  |  | <b>Alya Amalia</b> , Kuni Zu'aimah Barikah, Yudi Wicaksono   | 14.55-15.05 | D2   | Tabletability Properties of Solid Dispersion of Moringa Leaf Extract With Polyvinylpyrrolidone As Carrier                                  |
| 3  |  | Fifteen Aprila Fajrin, Ariefiona Shalsabya Affandi, Aulia Dewi Agustina, Christina Fushigi Purnomo, <b>Shafira Amelia Budi Utami</b> , Septha Aldanieco Kafi | 15.05-15.15 | D3   | Potential Of Ethanol Extract of Arummanis Mango Seed (Mangifera Indica L. Var Arummanis) With Mangiferin Content As Antidepressant In Mice |
| 4  |  | <b>Triya Krisdayanti</b> , Evi Umayah Ulfa, Indah Yulia Ningsih  | 15.15-15.25 | D4   | Antioxidant And Anti-Inflammatory Activities of The Water Extract from Eri Silkworm Cocoon (Samia Cynthia Ricini)                          |

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| 5 |  | <b>Amalina Aulia Firdaus</b> , Yuni Retnaningtyas, Nia Kristiningrum              | 15.25-15.35 | D5 | Biosynthesis Of Silver Nanoparticles Using Aqueous Extract of Sembung ( <i>Blumea Balsamifera</i> (L). Dc.) Leaves As Bioreductor and Their Antioxidant Activity |
| 6 |  | <b>Haddaf Abror Nur Ro'is</b> , Budipratiwi Wisudyaningsih, Kuni Zu'aimah Barikah | 15.35-15.45 | D6 | Novel Co-Process Excipient of Tannia Cocoyam ( <i>Xanthosoma Sagittifolium</i> ) Pregelatinization Starch-Pvp K-30 As Filler-Binder                              |
| 7 |  | <b>Lia Wardatun Nafisa</b> , Yuni Retnaningtyas, Dian Agung Pangaribowo           | 15.45-15.55 | D7 | Green Synthesis of Silver Nanoparticles Using Aqueous Leaf Extract Of Kesambi ( <i>Schleichera Oleosa</i> (Lour.) Merr.) And Their Antioxidant Activity          |

**Day Two: August 2<sup>nd</sup>, 2024**

**Room E: Public health**

| No | Moderator                                     | Name   | Time        | Code | Title   |
|----|---|--|-------------|------|---|
| 1  | dr. Ancah Caesarina N.M., Ph.D. FISPH., FISCM | Adistha Eka Noveyani, <b>Citra Anggun Kinanthi</b>   | 12.30-12.40 | E1   | Need Assessment of Self-Management Information Of People Living With Hiv/Aids   |
| 2  |   | <b>Wiwini Sulistyawati</b> , Nurullia Hanum Hilfida, Abdul Fauzi   | 12.40-12.50 | E2   | Patient Safety Culture In Nurses Clinical Practice: A Literature Review   |
| 3  |   | <b>Nurullia Hanum Hilfida</b> , Siska Christianingsih, Satria Eureka Nurseskasatmata   | 12.50-13.00 | E3   | Sports Medicine Nursing: A Literature Review  |
| 4  |   | Anis Putih Al Hafizhah, <b>Ida Srisurani Wiji Astuti</b> , Pipiet Wulandari, Irawan Fajar Kusuma, dr. M. Afiful Jauhani, S.H, M.H, Sp.FM | 13.00-13.10 | E4   | The Relationship Between Motivation And Covid-19 Prevention Behavior During The Endemic Period Among High School Students |
| 5  |   | <b>Novianti Lailiah</b> , Aby Nugrah Septanto, La saudi  | 13.10-13.20 | E5   | Quality Of Life In A Resilient People Living With Hiv: Cross-Correlation Study  |

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| 6 |  | Dea Nisfillaili Mabruroh, Nikmal Baroya, <b>Dewi Rokhmah</b>  | 13.20-13.30 | E6 | The Influence Of Personal Factors On The Use Of Contraceptives In Women Reproductive Age Couples  |
| 7 |  | <b>Dwita Aryadina Rachmawati</b> , Ancah Caesarina Novi Marchianti, Yovita Karina Pandan Putri, Ribka Soca Hapsari Budiono, Irawan Fajar Kusuma, Yohanes Sudarmanto | 13.30-13.40 | E7 | Balitagrow Plus Application Usage To Improve Children'S Nutritional Status  |
| 8 |  | Karylle Kaye B. Molina, <b>Wendy Mae R. Sarigumba</b> , Jericho A. Castro, Jessica Jane R. Donor  | 13.40-13.50 | E8 | Spc Cbr Program Assessment Alignment Towards World Class Instruction-Extension Implementation   |
| 9 |  | <b>Lia Dia Farida</b> , Iis Novianti Rosyida  | 13.50-14.00 | E9 | Assessing Cardiometabolic Profiles In Agricultural Populations: Insights From A Rural Farmers Community At Kesamben Village, Ngajum District, Kabupaten Malang, East Java |

**Room F: Pharmacology-Pharmacy**

| No | Moderator                          | Name  | Time        | Code | Title  |
|----|------------------------------------|---|-------------|------|--|
| 1  | dr. Supangat, M.Kes., Ph.D., Sp.BA | <b>Putri Fadillah Tri Cahyani</b> , Budipratiwi Wisudyaningsih, Kuni Zu'aimah Barikah | 12.30-12.40 | F1   | Modification Of Naringenin Crystals with The Formation of Naringenin-Fumaric Acid Cocrystals   |
| 2  |                                    | <b>Elly Nurus Sakinah</b> , Arifa Mustika, Sony Wibisono                              | 12.40-12.50 | F2   | Fecal Short Chain Fatty Acid Levels Improvement in Hyperglycemia Rats After Neem Gum Administration  |
| 3  |                                    | <b>Nina Al Muna Chumaida</b> , Moch. Amrun Hidayat, Dian Agung Pangaribowo            | 12.50-13.00 | F3   | Development Of Chemical Sensors Based On 2,2-Diphenyl-1-Picrylhydrazyl and Pva for Testing The Antioxidant Capacity Of Varieties Of Shallot Extracts With Digital Imaging Methods Using Smartphone |

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| 4 |  | <b>Dian Agung Pangaribowo</b> , Dwi Koko Pratoko, Ari Satia Nugraha, Ayik Rosita Puspaningtyas, Fathunnisa                      | 13.00-13.10 | F4 | Design, Synthesis, Antiproliferative Activity, And Molecular Docking Studies of Novel Cinnamic Acid-Indoline Derivatives as Anticancer Agents   |
| 5 |  | <b>Devi Sevriani</b> , Kuni Zu'aimah Barikah, Budipratiwi Wisudyaningsih  | 13.10-13.20 | F5 | Novel Co-Processed Excipients of Tannia Cocoyam (Xanthosoma Sagittifolium) Pregelatinized Starch-Hpms As Filler-Binder For Tablets              |
| 6 |  | <b>Suci Widhiati</b> , Pristia Widya Monica, Harijono Kariosentono, Indah Julianto, Muhammad Eko Irawanto, Nugrohoaji Dharmawan | 13.20-13.30 | F6 | Comparison Hair Follicle Ratio And Density On Topical Minoxidil Alone Againsts Combination Platelet Rich Plasma Exosome In Mouse Model Alopecia |
| 7 |  | Anino   | 13.30-13.40 | F7 | Synergic Efficacy Of Polyherbal Tea Bag As A Platelet Enhancer For Aspirin-Induced Thrombocytopenia In Wistar Rats                              |

**Room G: Infectious disease**

| No | Moderator                     | Name   | Time        | Code | Title  |
|----|-------------------------------|--|-------------|------|--|
| 1  | Dr. dr. Diana Chusna M, M.Kes | <b>Herin Nazaha Ramadhani, Muhammad Farhan Hibatulloh, M. Syifaul Afnan,</b> Handy Tri Setianto, Dini Agustina | 12.30-12.40 | G1   | Assessing Safety and Immunogenicity in Development of Aerosolized Tuberculosis Vaccine Versus Injected Vaccine: Systematic Review of Randomized Controlled Trial Studies |
| 2  |                               | <b>Alvina Nur Laili</b> , Adriana Iflaha, Kaysha Rahmadita Widyadana, Zahniar, Dyah Rahmadhani Saraswati       | 12.40-12.50 | G2   | Immunoinformatics Analysis of Apyrase Potential from Salivary Glands of Ae. Aegypti As a Vaccine Candidate to Inhibit Dengue Transmission                                |



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| 3  | <b>Muhamad Frendy Setyawan,</b><br>Hayato Takihara, Ni Made<br>Mertaniasih, Sohkichi<br>Matsumoto                    | 12.50-13.00 | G3  | Whole Genome Sequencing of a Pooled<br>Sample for Exploration Of Drug Resistance-<br>Associated Genes In Mycobacteria  |
| 4  | <b>Rifqi Rahadian,</b> Vella Dimas<br>Aprillya Wardani, Zico<br>Paradigma  | 13.00-13.10 | G4  | Acute Gastric Dilatation in Adults: Incidental<br>Finding in Dengue Haemorrhagic Fever<br>Patient and Its Management with Limited<br>Resource                              |
| 5  | <b>Wiwien Sugih Utami,</b> Yunita<br>Armiyanti, Yudha Nurdian,<br>Bagus Hermansyah                                   | 13.10-13.20 | G5  | Cattle Shed Sanitation Associated with High<br>Fly Density and Transmission of<br>Cryptosporidium Sp.  |
| 6  | Dini Agustina, <b>Wulan<br/>Anggraini,</b> Erfan Efendi, Enny<br>Suswati, Diana Chusna Mufida                        | 13.20-13.30 | G6  | Impact Of Inducing 65.5 Kda Pili Protein from<br>Klebsiella Pneumoniae on Il-5 Concentrations<br>in Balb/C Mice  |
| 7  | <b>Yunita Armiyanti,</b> Bagus<br>Hermansyah, Diana Chusna<br>Mufida, Dini Agustina, M.Ali<br>Shodikin, Enny Suswati | 13.30-13.40 | G7  | Intestinal Worm Co-Infection and Sanitation<br>Hygiene Risk Factors in Pulmonary Tb<br>Patients In Jember Regency  |
| 8  | Nidya Meilani, <b>Dewi Dianasari,</b><br>Indah Yulia Ningsih   | 13.40-13.50 | G8  | Phytochemical Identification and<br>Antibacterial Activity Test of Leucas<br>Lavandulifolia Against Escherichia Coli   |
| 9  | <b>Afifah Machlaurin,</b> Nurul<br>Karimah, Ika Norcahyanti,<br>Khoiriyatul Muhlishoh Arwi                           | 13.50-14.00 | G9  | Cost-Effectiveness Analysis of Shorter<br>Treatment Antibiotic Regimen Multidrug<br>Resistance Tuberculosis (MDR-TB): A Pilot<br>Study in A Tb Referral Hospital in Jember |
| 10 | <b>Bagus Hermansyah,</b> I Gede<br>Aditya Arya Putra, Yudha<br>Nurdian, Yunita armiyanti,<br>Wiwien Sugih Utami      | 14.00-14.10 | G10 | The Relationship Between Ascariasis and<br>Immunoglobulin E Levels in Farmers in Rural<br>Jember Regency   |

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| 11                           |  | <b>Enny Suswati</b> , Dini Agustina,<br>Rini Riyanti, M. Ali Shodikin,<br>Elly Nurus Sakinah                             | 14.10-14.20 | G11 | Contamination Status of Salmonella Spp., And Escherichia Coli Isolated from Groundwater In Jember, Indonesia                               |
| 12                           |  | <b>Salsabila Rahmani</b> , Sheilla Rachmania, Diana Chusna Mufida  | 14.20-14.30 | G12 | Molecular Docking Mpb83 Protein On B2, B3, And A5B1 Integrins: Pathogenesis of Bovine Tuberculosis In Humans                               |
| <b>Room H: Miscellaneous</b> |  |  |             |     |  |
| 1                            | apt. Ika Puspita Dewi, S.Farm., M.Biomed | <b>Maulida Putri Syarifani, Aris Prasetyo</b> , Azham Purwandhono  | 12.30-12.40 | H1  | The Effect of Dates (Phoenix dactylifera) Infusion Drink on Maximal Oxygen Volume in Young Adults Non-Athletes                             |
| 2                            |  | <b>Ulfa Elfiah</b> , Kushariyadi   | 12.40-12.50 | H2  | Relationship between Cleft Type and Body Weight in Cleft Babies Aged 0-5 Years   |
| 3                            |  | <b>Oktarina</b> , Mohd. Nasri Awang Besar, Zaleha Md Isa   | 12.50-13.00 | H3  | Development of Specific Entrustable Professional Activities for Agro medicine: An Insight  |
| 4                            |  | Patricia Marie Villano, Philip Junemer Lasaca, Cedrick Miguel Villanueva, Jireh Shamma Villamor, Karlvin Caesar Bernardo | 13.00-13.10 | H4  | Helping With the Transition: The Use of Mri and Ct Simulation For Incoming Radtech Interns Of A Higher Education Institution In Davao City |
| 5                            |  | Patricia Marie D. Villano, Ai B. Banzali, Jela Mari S. Aguilar, Jude Benedict D.Fuentes                                  | 13.10-13.20 | H5  | Assessing The Knowledge, Skills, And Perceived Internship Readiness Among Incoming Radiologic Technology Interns                           |



JEMBER



No. 3208/UN25.1.10/LL/2024

# CERTIFICATE

OF APPRECIATION

THIS CERTIFICATE IS PROUDLY PRESENTED TO

**Dr. dr. Ulfa Elfiah, M.Kes, Sp.BP-RE., Subsp.L.B.L. (K)**

for his/her contribution as the ORAL PRESENTER

**Relationship between Cleft Type and Body Weight in Cleft Babies  
Aged 0-5 Years of Age**

in the 5th International Conference on Agromedicine & Tropical Disease  
*SOCIETY 5.0: New Challenges and Opportunities  
on Tropical Diseases and Agromedicine*

Held in Auditorium University of Jember on August 1-2, 2024  
Jember, East Java, Indonesia



Dr. dr. Ulfa Elfiah, M.Kes., Sp.BP-RE., Subsp.L.B.L.(K)  
**DEAN OF FACULTY OF MEDICINE  
JEMBER UNIVERSITY**



Dr. dr. Sugiyanta, M.Ked.  
**COMMITTEE CHAIRMAN  
OF ICATD5**



# SERTIFIKAT

## KONFERENSI

KT.03.02/F.V/2889322/2024

diberikan kepada:

**ULFA ELFIAH DR.**

BONDOWOSO, 19 Juli 1976

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Telah mengikuti INTERNATIONAL CONFERENCE ON AGROMEDICINE AND TROPICAL DISEASE (ICATD 5) yang diselenggarakan oleh Pusdiklat Rs Bhina Bhakti Husada tanggal 01 Agustus 2024 s/d 02 Agustus 2024 dengan jumlah 9 jam pelatihan senilai 8 Satuan Kredit Profesi (SKP).



LUPI TRILAKSONO, SF, MM, APT  
Direktur Peningkatan Mutu Tenaga Kesehatan