

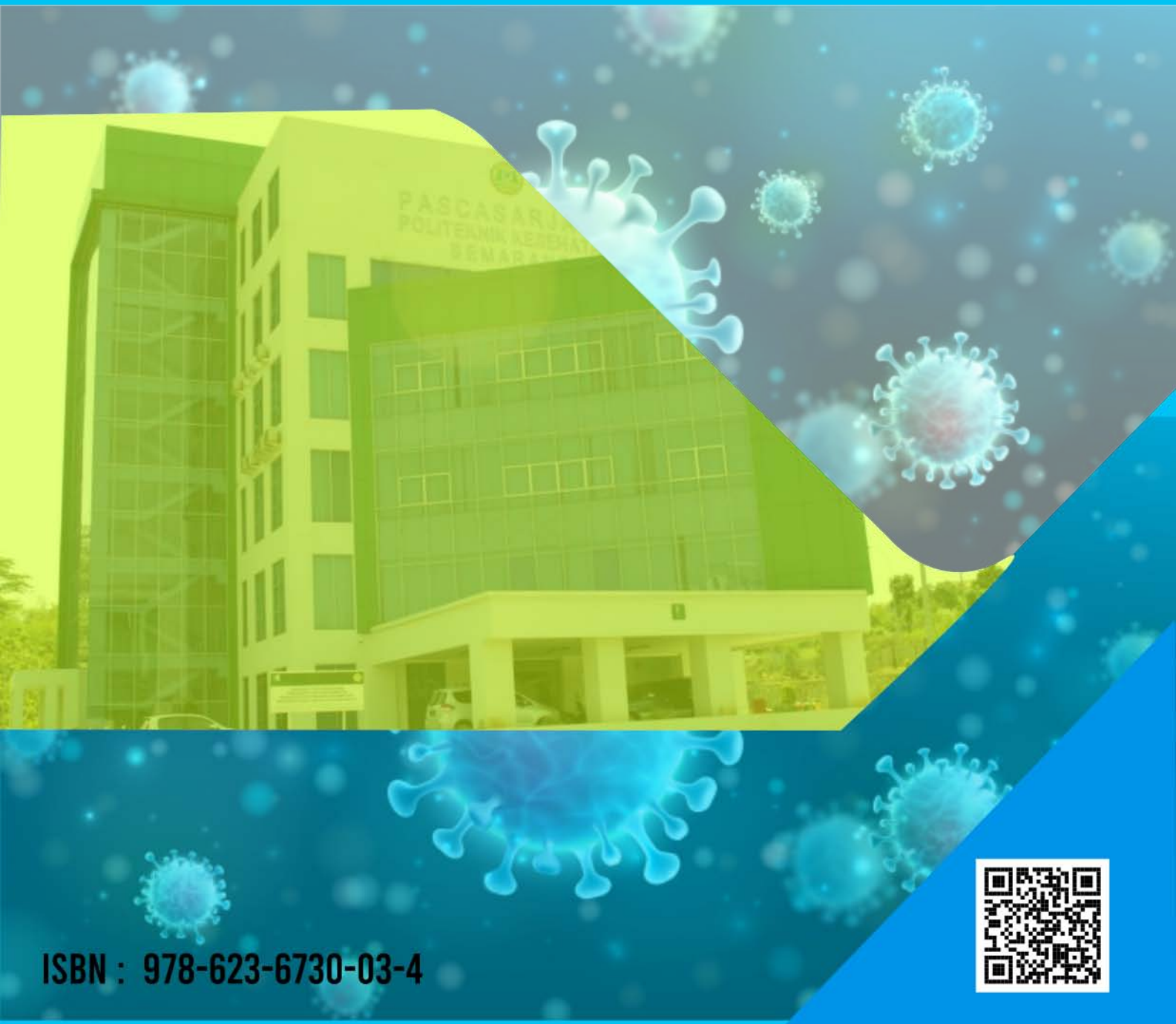


# 2nd INTERNATIONAL CONFERENCE POLTEKKES KEMENKES SEMARANG “ON HANDLING NON COMMUNICABLE DISEASES”

SEMARANG, 2-3 SEPTEMBER 2020



## PROCEEDINGS OF PAPERS



ISBN : 978-623-6730-03-4



**PROCEEDINGS**  
**2<sup>nd</sup> International Conference**  
**Poltekkes Kemenkes Semarang**  
**“On Handling Non Communicable Diseases”**  
**Semarang, 2-3 September 2020**

**Pusat Unggulan IPTEKS (PUI-P2PTM)**  
**Poltekkes Kemenkes Semarang**  
**2020**

# PROCEEDINGS

**2<sup>nd</sup> International Conference Poltekkes Kemenkes  
Semarang  
“On Handling Non Communicable Diseases”  
Semarang, 2-3 September 2020**

**Ketua Penyunting**

Dr. Rr. Sri Endang Pujiastuti, SKM, MNS

**Reviewer :**

Dr.drg. Diyah Fatmasari,MDSc

Dr. Sri Sumarni, M.Mid

Dr. Melyana N.W, S.SiT, M.Kes

Dr. Bedjo Santoso, S.SiT, M.Kes

Novita Kurnia Wulandari,

**Edisi I, Cetakan Pertama 2020**

**Diterbitkan Oleh :**

Politeknik Kesehatan Kemenkes Semarang

Telp : (024) 7477208

perpustakaanpoltekkessmg@yahoo.com

Jl. Tirto Agung, Pedalangan, Kec. Banyumanik, Kota Semarang, Jawa Tengah,  
50268

ISBN : 978-623-6730-03-4

Hak Cipta dilindungi Undang-Undang

Dilarang mengutip, memperbanyak dan menterjemahkan  
sebagian atau seluruh isi buku ini tanpa izin tertulis dari  
penerbit

*Committee*  
**2<sup>nd</sup> INTERNATIONAL CONFERENCE ON  
 HANDLING NON-COMMUNICABLE DISEASES (2<sup>nd</sup> ICHNCDs)  
 POLITEKNIK KESEHATAN KEMENKES SEMARANG  
 Semarang, 2-3 September 2020**

- Pelindung** : Direktur Poltekkes Kemenkes Semarang
- Penasihat** : 1. Wadir I Poltekkes Kemenkes Semarang  
 2. Wadir II Poltekkes Kemenkes Semarang  
 3. Wadir III Poltekkes Kemenkes Semarang
- Steering Committee** : 1. Ketua Program Pascasarjana  
 2. Kepala Pusat Penelitian dan Pengabdian Masyarakat  
 3. Kepala Pusat Pengembangan  
 4. Kepala SPI  
 5. Ketua Jurusan Keperawatan  
 6. Ketua Jurusan Kebidanan  
 7. Ketua Jurusan Gizi  
 8. Ketua Jurusan Teknik Radiodiagnostik dan Radioterapi  
 9. Ketua Jurusan Keperawatan Gigi  
 10. Ketua Jurusan Kesehatan Lingkungan  
 11. Ketua Jurusan Analis Kesehatan  
 12. Ketua Jurusan RMIK  
 13. Kabag Adm.Umum dan Akademik
- Organizing Committee**
- K e t u a** : Dr. Rr. Sri Endang Pujiastuti, SKM, MNS  
**Wakil Ketua** : Dr. Runjati, M.Mid
- Sekretaris** : 1. Hermien Nugraheni, SKM, M.Kes  
 2. Marichatul Jannah, S.ST, M.Kes
- Bendahara** : 1. Endang Krismawati, S.E  
 2.. Dian Enjas Ramasputri, SKM
- Seksi-seksi**
- 1. Ilmiah** : 1. Dr.drg. Diyah Fatmasari,MDSc  
 2. Dr. Sri Sumarni, M.Mid  
 3. Dr. Melyana N.W, S.SiT, M.Kes  
 4. Dr. Bedjo Santoso, S.SiT, M.Kes  
 5. Novita Kurnia Wulandari,
- 2. Acara** : 1. Sri Wahyuni Sigit, S.Kep,Ns, M.Kes  
 2. Sudiarto, MN  
 3. Sunarto, SKM, M.Kes  
 4. Novelin S.Maulida, S.Tr.Kes
- 3. Publikasi Jurnal** : 1. Dr. Kun Aristiati S, SKM, M.Kes

2. Dr. drg. Lanny Sunarjo, MDSc
  3. Mardiyono, Ph.D
  4. Chobibah, S.ST.,Mkes
  5. Fauzan Ma'ruf, S.ST
4. Humas/Dokumentasi : 1. Dr.Ta'adi, S.Kep,Ns, MHKes  
3. Sawab, S.Kep, Ns, M.Kes  
4. Bangun T. Nugroho, SKM
6. Sekretariat dan IT : 1. Rizal Ginanjar, S.ST, M.Kes  
2. Iqbal Kurniawan  
3. Dimas Bagas Prakosa  
4. Muhammad Nauval Rizky
7. Dekorasi & Perlengkapan : 1. Adhani Windari, SKM, M.Kes  
2. Nanang Qosim  
3. Wakimin

## PREFACE

Praise our gratitude for the presence of God Almighty, for His bless and grace, so that the implementation of this International Conference can be held with the theme “On Handling Non-Communicable Disease During Covid 19 Pandemic” which aims to share information about current issues regarding Non-Communicable Disease during the Covid- 19 Pandemic, Facilitating a meeting forum for scientists, researchers, academics and students to exchange experiences and research results on all aspects of handling, and controlling Covid-19 transmission to people at risk and people with non-communicable diseases and facilitating forums to share interventions in dealing with the prevention and control of non-communicable disease during the Covid-19.

The International Conference is expected to be a means in efforts to prevent and control public health problems through research based on science and technology that is built from research and publications activities an the applications of research results in solving health problems in the community, in terms of this is a matter of NCDs prevention an control. The industrial era 4.0 also requires academics, students, and health observers to always update their abilities through research and scientific activities, to contribute to the handling of NCDs, especially in the Covid-19 Pandemic. Our gratitude goes to the Director of Ministry of Health Polytechnic in Semarang, resource persons, paper contributors and all related parties so that the international conference can be held well.

Semarang, September 2020

Committee Chief,

Dr. Rr. Sri Endang Pujiastuti, SKM.,MNS

## SPEAKERS

- KEY NOTE SPEAKER I : Artificial Intelligence Role in Global Health for Covid-19 Pandemic (**Naoyuki Kobuta**)
- KEY NOTE SPEAKER II : Risk factors and Comorbidity Among Non-Communicable Disease Patient during Covid19 Pandemic. (**Prof. Dr. dr. Suharyo Hadisaputro, SpPD, KPTI**)
- KEY NOTE SPEAKER III : Possibility Application of Plasma and Ozone Technology on Handling Non Communicable Disease during Covid-19 Pandemic (**Prof. Dr. Muhammad Nur, DEA**)
- KEY NOTE SPEAKER IV : Nutrition for Prevention and Recovery among Non Communicables Diseases Patient in Covid-19 Pandemic. (**Prof. Pooh Bee Kon and Dr. Kun Aristiati S, SKM, M.Kes**)
- KEY NOTE SPEAKER V : Maternal and Child Health in Covid-19 Pandemic (**Emily Rose Smith, Sc.D and Dr. Runjati, M.Mid**)
- KEY NOTE SPEAKER VI : Promoting Health Status among Non Communicables Diseases Patient in Covid-19 Pandemic (**Prof . Sang Arun, PHD**)
- KEY NOTE SPEAKER VII : Indonesian Public Health Problem in Covid19 Pandemic (**Prof Dr.dr Anies, M.Kes .PKK and Prof . Dr.dr Diyah fatmasari, MD.Sc**)

## SPEECH BY CHIEF ORGANIZING COMMITTEE OF 2<sup>nd</sup> INTERNATIONAL CONFERENCE

Assalamu'alaikum wr wb

Greeting



First of all, I express my deepest gratitude to God almighty for His blessings as the International conference conducted cooperatively by health polytechnic of Semarang can be done successfully. On this very special occasion, I wish particularly to give my best thanks to Mr. Marsum, BE, S.Pd, MHP and her colleagues as representation of POLTEKKES Semarang, for giving me a huge opportunity as a chief committee. I am most grateful for efforts put forth by all of the International conference committee, who diligently worked throughout the process of inviting both participants and speakers so that the event goes on the right track. Finally, I do hope that the event will contribute positively to health professionalism itself as well as to establish a wonderful networking between health organization and significant others. May God bless our good relationship and good will so that He will only bring goodness for all.

Wassalamu'alaikum wr wb

Semarang, September 2020

Chief Committee

Rr. Sri Endang Pujiastuti, SKM, MNS



## CONTENTS

Contents	Page
Cover Page	i
Soft Cover	ii
Verso Page	iii
Committee	iv
Preface	vi
Speaker	vii
Speech By Chief Organizing Committee Of 2nd International Conference	viii
Contents	ix
<b>Analysis Of Iron Level And Acceptability Of Chicken Liver Nugget As Alternative Food For Anemic Female Teenagers</b>	1
<i>Myrna Sally Hardeanna, Sunarto, Mohammad Jaelani</i>	
<b>Handling Training Of Hypothermia Using Pseudotem Banana Nesting For Pregnant Women And Health Cadres In Cepoko Village In 2019</b>	10
<i>Melyana Nurul Widyawati, Sri Sumarni, Sri Wahyuni, Sri Endang Pujiastuti</i>	
<b>Overcoming Dismenore With Sunflower Seeds (<i>Helianthus Annuus L</i>)</b>	15
<i>Tuti Sukini, Masini, Rosep Lubatin</i>	
<b>The Effect Of Education About Toddler Nutrition By Using Audio Visual Media On Toddler's Mother</b>	23
<i>Munayarokh, Rizki Winarni, Arum Lusiana</i>	
<b>Description Of Adolescent Knowledge About Non-Communicable Diseases Arising From Smoking Behavior</b>	29
<i>Titi Mursiti, Sri Setiasih, Titik Sapartinah, Rozikhan</i>	
<b>Survey Risk Of Abuse Of Drugs In Student Smk In Purwokerto</b>	31
<i>Aris Fitriyani, Siti Mulidah, Maisje Marlyn Kuhu, Wicky Sri Erland Adityas</i>	
<b>Prevention Of Cervical Cancer Through Animated Media In Improving Childbearing Age Women's Knowledge About Iva Examination</b>	36
<i>Siti Rofi'ah, Imroatul Munawaroh, Ribkha Itha Idhayanti</i>	
<b>Peer Group Support In Prevention Of Teenage Girl's Anemia</b>	41
<i>Siti Rofi'ah, Rini Dwi Mulyani, Sri Widatiningsih</i>	
<b>The Effect Of Moringa Oleifera Leaf Extract In Reduction Of Blood Glucose Levels In Patients With Type2 Diabetes Mellitus. A Literature Review</b>	46
<i>Novita Kurnia Wulandari, Suharyo Hadisaputro, Mardiyono Mardiyono, Rr. Sri Endang Pujiastuti</i>	
<b>The Effect Between Exclusive Breastfeeding, Complementary Breastfeeding (Mp-Asi) And Growth Monitoring With Stunting Events In Toddler Age 24-59 Months At Pamengkang Health Center Cirebon Regency In 2019</b>	55
<i>Ade Iko Roviko, Rani Widiyanti S.A</i>	
<b>Seft Therapy (Spiritual Emotional Freedom Technique) As An Attempt To Decrease Maternal Ness In The Face Of Childbirth: Systemmatic Literature Review</b>	61
<i>Aldila Noviyanti, Palupi Bodro Sayekti</i>	
<b>Anxiety Levels And Coping Mechanism Of Hypertension In Puskesmas Magelang Utara</b>	72
<i>Yeni Yulistanti</i>	
<b>Cabbage Leaves Compress To Reduce Breast Engorgement In Postpartum Mothers</b>	81
<i>Tatsa Putri Kumala Sari</i>	
<b>The Effect Of Various Types Of Attractants In The Ovitrap On The Number Of Aedes Sp Mosquito Eggs</b>	89
<i>Arif Widyanto, Agus Subagiyo, Hari Rudijanto Iw</i>	
<b>Quail Eggs Prevent Anemia In Pregnant Women During The Covid 19 Pandemic</b>	95
<i>Budi Astyandini, Tri Nurhidayati</i>	
<b>Tuberculosis Prevention Model Development Family Based In Indonesia</b>	101

<i>Jenita Dt Donsu, Harmilah, Rita Benya Adriani</i>	
<b>Pufa And Mufa Dietary Intake On Lipids Profile Among Coronary Heart Disease Patients : A Narrative Review</b>	110
<i>Baarizah Febriana Badri, Mohammad Jaelani, Dian Lutfia Muningggar</i>	
<b>Health Education Effectivity Using Group Discussion And Education By Bkr Towards Parents' Attitude In Facing Teens Reproductive Health</b>	115
<i>Arum Lusiana, Christin Hiyana Td, Siti Chunaeni</i>	
<b>Literature Review : Effectiveness Of Hydrotherapy On Blood Pressure Among Hipertensive Clients</b>	119
<i>Yasmina Izzat, Muhamad Jauhar, Fajar Surahmi</i>	
<b>Fighting Against Covid 19: Radiographer At Covid 19 Emergency Hospital Kemayoran Athlete Village</b>	126
<i>Fatimah, Siti Masrochah, Muhammad Erfansyah, Salis Nurbaiti</i>	
<b>Mental Health And Psychosocial Impact Of Adolescent During Covid-19</b>	135
<i>Erna Erawati, Moh. Ridwan, Tulus Puji Hastuti</i>	
<b>Algorithm Variation Of Fbp, Idose4 And Iterative Model Reconstruction (Imr) On Image Quality Of Msct Thorax Low Dose For Lung Nodul Detection</b>	138
<i>Siti Anikmah, Yeti Kartikasari, Ary Kurniawati</i>	
<b>Relationship Between The Consumption Of Fe Tablets And Anemia In Third Trimester Pregnant Women At Talise Health Center Palu City</b>	143
<i>Gabriella Sakulat, Arie Maineny, Gusman Arsyad</i>	
<b>Hearing Distraction Technique In Dealing With Insomnia</b>	148
<i>Herry Prasetyo, Ulfah Agus Sukrillah, Petrus Nugroho Ds</i>	
<b>Education With Stick Images And Leaflet Towards Knowledge About Maintain Dental Health</b>	152
<i>Nining Mustika, Diyah Fatmasar, Salikun</i>	
<b>Tomon (Tooth Monster Hunter): Innovation Of Dental Health Promotion Using Smart Toothbrush</b>	156
<i>Salikun, Hany Windri Astuti, Magfur Ramdhani</i>	
<b>Breastfeeding Counseling: A Comparative Study Of 10 Hours Modified Modul And Who 40 Hours Modul Toward Breastfeeding Practice</b>	162
<i>Krisdiana Wijayanti, Kuswanto</i>	
<b>Factors Affecting Chronic Energy Deficiency (CED) Of Pregnant Women</b>	166
<i>Puji Rahayu, Wahyu Pujiastuti, Tuti Sukini</i>	
<b>Literature Study: Audiovisual Based Health Education Media Improving Pregnant Women's Knowledge And Attitudes About Signs Of High Risk Pregnancy</b>	170
<i>Titah Pangesti, Dina Indrati, Iis Sriningsih</i>	
<b>Application Of Neuro Digital Massage Stimulation (Nedimas) Toward Muscle Strength And Range Of Motion Of The Extremity Joints In Stroke Patient</b>	178
<i>Sudirman, Ahmad Baequny, Sumarni, Hendra Marwazi</i>	
<b>A Descriptive Study Of Early Detection Of Mental And Emotional Disorders (Kmm, Chat, Gpph) In Children Aged 36-72 Months</b>	187
<i>Sri Winarsih, Nuril Nikmawati, Suprihatiningsih</i>	
<b>Training For Additional Food Making With Balanced Nutrition Based On Local Food For Cadres In Wonosari-Kendal Village</b>	191
<i>Ana Sundari, Heny Rosiana, Sri Setiasih, Titi Mursiti</i>	
<b>Exclusive Feeding Relationships With Nutritional Status In 7 Months Age With The History Of Born Stunting</b>	194
<i>Esti Rettiningsih, Herlina Tri Damailia, Sri Winarsih</i>	
<b>Effectiveness Of Intermittent Kangaroo Mother Care Method On Weight Increase In Low Birth Weight Babies</b>	198
<i>Nur Syahria, Olkamien J. Longulo, Putu Candriasih</i>	
<b>Android-Based Application For Early Detection Of Pregnancy Danger Signs As The Prevention Of Covid-19</b>	203
<i>Nur Syahria, Olkamien J. Longulo, Putu Candriasih</i>	

<b>Compliance With The Use Of Amoxicillin Antibiotics During The Covid-19 Pandemic By Patient At Pangkalanbaru Central Bangka Health Center</b>	208
<i>Rachmawati Felani Djuria</i>	
<b>Economic Potential And Market Solid Waste Management In Bandar Lampung City</b>	211
<i>Imam Santosa, Enro Sujito</i>	
<b>Role Of Sequent Diffusion Tensor Imaging (Dti) In Brain Mri Examination In Cases Of Brain Tumors</b>	219
<i>Hendra Aji Nugroho, Yeti Kartikasari, Sri Mulyati</i>	
<b>The Differences In Perineum Massage Health Education With Leaflet Media And Demonstration Methods Of Perineum Massage Practice In Trimester Pregnant Mother Iii</b>	227
<i>Siti Chunaeni, Ningsih Widayati</i>	
<b>Enhanced Immunity And Mental Health Capacity Cmhn Cader And Society During The Covid 19 Pandemic</b>	235
<i>Suyanta, Sunarko, Angga Sugiarto</i>	
<b>MASSAGE THERAPY TO REDUCE BLOOD PRESSURE, STRESS AND ANXIETY: A SYSTEMATIC REVIEW</b>	238
<i>Tasya Nurlaila Dilla; Yeyen Wulandari Dhanio; Nurazizah Putri Rahayu</i>	
<b>The Effect Of Reproductive Health Education On Adolescent Knowledge And Attitudes About Sexual Transmitted Infections</b>	246
<i>Ni Made Julia Wulan Dini, Anna V. Pont, Selvi Alfrida Mangundap</i>	
<b>Herbal Therapy As An Effort To Reduce Blood Pressure Of Hypertension Patients: A Systematic Literature Review</b>	252
<i>Nurazizah Putri Rahayu, Tasya Nurlaila Dilla, Nur Syahria</i>	
<b>Metal Biomonitoring And Comparative Assessment In Blood Of Lead Smelting Workers</b>	259
<i>Mela Firdaust</i>	
<b>Prevention And Management Of Hypertension In Pregnancy With Covid-19</b>	264
<i>Ika Wijayanti, Desi</i>	
<b>Supplementary Feeding Treatment Toward Tuberculosis Patients In The Community</b>	268
<i>Walid, Ulfah Agus Sukrillah, Herry Prasetyo</i>	
<b>Screening Preeclampsia Using Artificial Intelligence-Based Risk Factors: A Systematic Literature Review</b>	272
<i>Yeyen Wulandari Dhanio, Tasya Nurlaila Dilla, Rili Ronia Nggosual</i>	
<b>An Analysis Of Course Material Sufficiency For Wishful Brides</b>	280
<i>Nur Khafidhoh, Rizky Amelia</i>	
<b>Effect Of Use Of Maintenance Kangaroo Methods Against Weight Increase In Lbw At Rsd Gunung Jati, Cirebon City</b>	286
<i>Aulia Agyanti Rahmah, Diyah Sri Yuhandini</i>	
<b>Comparison Of The Effects Of Daily And Weekly Iron Supplementations To Non-Anemic Pregnant Women: A Systematic Literature Review</b>	291
<i>Desiska Pricilia Tumatar, Krisdiana Wijayanti</i>	
<b>Factors Related To Female Baby Circumcision In Citangkil Health Center Cilegon Banten City, 2018</b>	299
<i>Cylia Dzikra Ayu Berlitaa, Triana Indrayanib, Delmaifanisc, Dita Cahya Pratiwid</i>	
<b>Determinants Of Low Birth Weight In Rsud Wates</b>	306
<i>Chyntia Punky Permatasari, Suherni, Mina Yumei Santi</i>	
<b>Differences Of Cognitive Stimulation Therapy: Puzzle And Music For Demensia Elderly</b>	312
<i>Sunarmi, Dwi Ari Murti, Adi Isworo</i>	
<b>Effects Of Complementary Medicine On Reducing Anxiety During Labor: A Systematic Review</b>	317
<i>Farah Salsabila, Jauza Annisa, Luthfia Rahman</i>	
<b>Factors Associated With The Incidence Of Stis In Fsw In</b>	325

<b>The Work Area Of The Meninting Health Center Upt Blut In 2018</b>	
<i>Gandi Ari Savitri Widayani, Suwanti, Irmayani</i>	
<b>The Effect Of Green Grass Jelly On Blood Pressure In Clients With Mild Or Moderate Hypertension</b>	331
<i>Indriati, Sri Utami Dwiningsih, Sri Endang Pujiastuti, Novita Kurnia Wulandari</i>	
<b>Empowerment Of Elderly Health Cadres Through Brain Gym To Prevent Dementia In The Elderly In Rw 3 Kramat Selatan Magelang</b>	336
<i>Devotee Lulut Handayani, Hermani Triredjeki, Pramono Giri K, Tulus Puji Hastuti</i>	
<b>Utilization Of Herbs For Perineal Wound Healing In Postpartum Mothers: A Systematic Review</b>	344
<i>Jauza Annisa, Luthfia Hidayati Rahman, Farah Salsabilla</i>	
<b>Effectiveness Of Smart Brain Exercise And Loving Touch Therapy On Behavior Among Children With Attention Deficit Hyperactive Disorder (ADHD)</b>	354
<i>Sutarmi, Siti Kistimbar, Erni Nuryanti</i>	
<b>Improving Community Awareness Of Covid-19 Through Personal Risk Assessment, Online Education And Enhancement Of Resistance In Jambewangi Village, Magelang Regency</b>	368
<i>Dwi Ari Murti Widigdo, Heru Supriyatno, Sunarmi</i>	
<b>Influence Health Education By The Video On The Level Of Knowledge Mother About Growth Toddlers</b>	379
<i>Nova Agustin, Siti Chunaeni, Arum Lusiana</i>	
<b>Factors Associated With The Incidence Of Dysmenorhea In Ma'arif Gamping Junior High School Students In Yogyakarta</b>	386
<i>Intan Putri Utami, Istri Utami</i>	
<b>Intravenous Pyelography Examination Technique In Ectopic Ureter Case In Installation Radiology Of Sultan Agung Islamic Hospital Semarang</b>	393
<i>Siti Masrochah, Yudi Indrajati Nugroho, Darmini, Dartini, Dimas Prakoso</i>	
<b>Lipid Profile Of The Program For The Management Of Chronic Diseases (Prolanis)</b>	401
<i>Surati, Ririhjatmi Wikandari, Hening Imawati</i>	
<b>Use Of Ginger Therapy And Lemon Inhalation Against Pregnancy Vomiting Nausea: A Systematic Review</b>	405
<i>Juliana Sion Sihombing</i>	
<b>Factors Related To Adolescent Married Sex Behavior In Sma Negeri 01 Sungai Kakap</b>	414
<i>Khairulisni Saniati, Eka Santy, Jehani Fajar Pangestu</i>	
<b>Potential Massage Oketani Alternative Non-Pharmacological Interventions To Improve Breast Milk Production: A Systematic Review</b>	419
<i>Luthfia Hidayati Rahman, Jauza Annisa, Farah Salsabilla</i>	
<b>Study Of The Effectiveness Of Plasmacluster Ion Tools As A Cattle Odor Reduction In The Limpakuwus Village Of Sub-District Of Sumbang District Of Banyumas</b>	434
<i>Tri Cahyono, Hari Rudijanto Iw</i>	
<b>The Effect Of Mung Bean On Increasing Hemoglobin Levels Of Pregnant Women With Anemia</b>	444
<i>Sofika Larasati, Mugiati, Warjedin Aliyanto</i>	
<b>The Relation Between Breastfeeding Technique And Cracked Nipple During Puerperium At Sekaran Regional Health Center</b>	449
<i>Frizka Indarningtyas Nur Pratiwi, Agus Eka Nurma Yuneta</i>	
<b>The Effect Of Fe Tablet And Ambon Banana Towards Hemoglobin Levels On Anemia Female Teenagers At Dormitory Of Midwifery Poltekkes Kemenkes Pontianak</b>	456
<i>Luluk Handayani, Rini Sulistiawati, Vera Rentia Siahaan</i>	

<b>Nutritional Status For Toddler Age 1 - 5 Years In The Pijorkoling Village Of Southeast Padangsidempuan</b>	463
<i>Naimah Nasution</i>	
<b>The Effectiveness Of Acupressure And Smart Gymnastic On Fasting Blood Sugar Level In Type Ii Diabetes Mellitus Patient</b>	470
<i>Dian Apri Nelyanti, Ta'adi, M. Choiroel Anwar</i>	
<b>Role Of Women In Maintaining Relationships Dental Health Dental Hygiene Mouth Of Children Tk Bhakti Nurush Sofia Mutih Kulon Area Health District Demak Wedung 2</b>	478
<i>Dr. Bedjo Santoso, S.SiT,M.Kes ; Indiyah Sulistiyowati ; Yodong, S.ST, MH.Kes</i>	
<b>Potential Herbal Fenugreek (<i>Trigonella Foenum-Graecum</i>) As A Herbal Diabetes Treatment: A Systematic Review</b>	484
<i>Nurul Herawati</i>	
<b>Pregnancy Assistance With O-Mom Approach (One Mother One Midwife) Based On Mother Need"</b>	493
<i>Listyaning Eko Martanti, Agustin Setianingsih, Rizky Amelia, Triana Sri Hardjanti, Prita Yusita Isdaryani</i>	
<b>Early Antenatal Care And Detection Complication Of Pregnancy During Pandemic Covid-19: A Systematic Review</b>	497
<i>Maya Latifatul Masrurroh, Amran Ali Mustofa, Naimah Nasution, Palupi Bodro Sayekti, Frizka Indarningtyas Nur Pratiwi</i>	
<b>Factors Affecting Mother's Anxiety Pregnant Trimester Iii In Dealing With Labor In The Village Of Muara Ciujung Timur, The Working Area Puskesmas Rangkasbitung Lebak District In 2018</b>	501
<i>Dita Cahya Pratiwi, Triana Indrayani, Delmaifanis, Cylia Dzikra Ayu Berlita</i>	
<b>Smartwatch As A Monitoring Tool For Fetal Well-Being Among Women With Induction Of Labor: A Literature Review</b>	512
<i>Vina Dhian Titisari</i>	
<b>Betel Leaf (<i>Piperbetle Linn</i>) Herbal Therapy As An Alternative For Perineal Wound Healing In Postpartum Mothers : <i>Sistematic Review</i></b>	516
<i>Palupi Bodro Sayekti, Naimah Nasution, Maya Latifatul Masrurroh, Frizka Indarningtyas, Aldila Noviyanti</i>	
<b>The Effectiveness Of Nurses In Application Of Informed Consent With Critical Care Assessed From Nurses Education Levels In The City Of Semarang</b>	525
<i>Yuli Sulistiyo, Bernadetha Tri Handini, Rizal Ginanjar</i>	
<b>Herbal Zingiber Officinale (Ginger) For Relieve Dysmenorrhea Primary: A Systematic Review</b>	527
<i>Rohmatun Nazilah, Tiyara Safitri, Ulfatun Khasanah, Ermi Lilianda Alang</i>	
<b>Prenatal Yoga: Overcoming Lower Back Pain In Pregnancy</b>	536
<i>Rohmatun Nazilah, Tiyara Safitri, Ulfatun Khasanah, Ermi Lilianda Alang</i>	
<b>Factors Causing Rupture Perineum In Normal Labor</b>	541
<i>Rohmatun Nazilah, Tiyara Safitri, Ulfatun Khasanah, Ermi Lilianda Alang</i>	
<b>Teacher Information And Counseling Center Improving Students Knowledge Of Reproductive Health</b>	548
<i>Puji Hastuti, Rusmini, Vina Nurul Utami, Fajaria Nur Aini</i>	
<b>Relationship Of Knowledge Levels About Pregnant Women Nutrition With Trimester Iii Fetal Weight Estimation In Puskesmas Galur Ii, Kulon Progo In 2019</b>	552
<i>Siti Syarashinta Cahyaningsih, Margono, Wafi Nur Muslihatun</i>	
<b>Non-Pharmacological Intervention For The Primary Dismenore : Riview Systematics</b>	558
<i>Syifa Sofia Wibowo</i>	
<b>Technique Of Electron Radiation Therapy In Postoperative Case Of Ear Leaves In The Radiotherapy Unit Of Rsup Dr. Kariadi Semarang</b>	579
<i>Siti Masrochah, Fatimah, Defy Indah Permatasari, Sigit Wirawan, Dimas Prakoso</i>	
<b>A Description Of Occupational Health And Safety In Radiology Department</b>	585
<i>Asri Indah Aryani, Ardi Soesilo Wibowo, Panji Wibowo Nurcahyo</i>	

<b>Effect Of Object Position On Image Quality On The Examination Of Lumbal Vertebra Radiography</b>	588
<i>Ardi Soesilo Wibowo, Gatot Murti Wibowo, Siti Masrochah, Panji Wibowo Nurcahyo</i>	
<b>The Effect Of Yoga Therapy On The Reduction Of Primary Dismenore Pain Levels In Class Xi Adolescents At Sma Negeri 1 Cibingbin, Kuningan District, 2019</b>	591
<i>Efah Nuraropah, Nurasih, Rinela Padmawati</i>	
<b>The Role Of Telehealth In Health Care During Covid-19 Pandemic Era : Systematic Literature Review</b>	596
<i>Refa Khairunnisa, Sri Sumarni</i>	
<b>Optimization Of Image Quality And Anatomy Information Of Mri Prostate Of Axial Slice On Diffusion Weighted Image Sequence With B Value</b>	601
<i>Rini Indrati, Ni Kadek Ayu Tirtasari, Sri Mulyati, Siti Daryati, Agustina Dwi Prastanti</i>	
<b>Parental Knowledge And Verbal Violence Behavior In Children</b>	606
<i>Alfiah Rahmawati, Kartika Adyani, Apriliana Eka Putri</i>	
<b>Literatur Review: The Effect Of Giving Honey On The Increased Hemoglobine Levels In Pregnant Women</b>	613
<i>Alfiah Rahmawati ; Muliatul Jannah ; Yunita Anggeraeni Putri</i>	
<b>Authors Index</b>	617

## PARENTAL KNOWLEDGE AND VERBAL VIOLENCE BEHAVIOR IN CHILDREN

<sup>1</sup>Alfiah Rahmawati; <sup>2</sup>Kartika Adyani; <sup>3</sup>Apriliana Eka Putri

Coessponding Author Email : [alfiahrahmawati@unissula.ac.id](mailto:alfiahrahmawati@unissula.ac.id)

<sup>1</sup> *Midwifery Study Program Bachelor Program and Midwife Professional Education Faculty of Medicine*

<sup>2</sup> *Midwifery Study Program Bachelor Program and Midwife Professional Education Faculty of Medicine Sultan Agung Islamic University; Kaligawe Raya Street No.KM. 4 ; Semarang 50112 ; Indonesia*

<sup>3</sup> *Midwifery Study Program Undergraduate Program and Midwife Professional Education Faculty of Medicine Sultan Agung Islamic University; Kaligawe Raya Street No.KM. 4 ; Semarang 50112 ; Indonesian*

### Abstract

**Introduction:** Parents have a lot of contribution in providing love and attention to children to support the development of children so that they become competent adults. This study aims to determine the correlation between parental knowledge and verbal abuse behavior in children. Verbal abuse or what is known as verbal abuse is all forms of speech by parents that hurt children, such as threatening, scaring, and saying harsh words. The factors that can cause verbal abuse in children are the level of knowledge. **The method:** used is library research. Research results obtained from several sources of research data. **Discussion:** The level of parents 'knowledge about verbal violence behavior affects parents' behavior to commit verbal violence. **Conclusion:** The results of several articles that have been reviewed have concluded that there is a relationship between the level of parental knowledge and the occurrence of cases of verbal violence against children.

Keywords : Knowledge, Verbal Violence, Parents

## 1. Introduction

The Indonesian Child Protection Commission (KPAI) noted that as of April 2015, there were 6006 cases of child abuse in Indonesia. That number increased from 2010 to 171 cases. While in 2011 there were 2179 cases, 2012 as many as 3512 cases, 2013 as many as 4311, and 2014 as many as 5066 cases (KPAI, 2015).

Monitoring results from KPAI Data and Information Center showed that 62% of violence against children actually occurs in an environment close to the child. Violence is a deliberate act that can result in physical injury or mental distress. One of the causes of verbal violence is due to the lack of knowledge of the parents themselves related to verbal violence (Putri & Santoso, 2012).

Parents as care givers who have a big role in giving attention and love to children to support the development of children so that they become competent adults. Most parents consider child abuse to be normal and part of disciplining a child (Fitriana et al., 2015).

Verbal abuse committed by parents inflicts deeper wounds on a child's life than rape. The impact of psychology on verbal violence that can occur, among others, children become insensitive to other people's feelings,

children become aggressive, emotional disorders, social relationships become disturbed, have sociopath personalities or antisocial personality disorder, create vicious circles in the family, low learning motivation, developmental disorders and suicide (Lestari, 2016).

Verbal abuse can occur unnoticed by parents every day doing verbal abuse against their children. The form of verbal abuse is generally carried out in the form of threatening, criticizing, yelling, ostracize the child, giving negative nicknames to the child (Fitriana et al., 2015).

The high level of verbal abuse that the child receives from his parents can also affect the child's confidence level (Wati, 2019).

## 2. Method

In this study, literature searches were conducted through Google Scholar media and e-journals, and books. The purpose of this article is to review the problem of cases of verbal abuse experienced by children with parental knowledge of verbal violence itself. Keywords used for literature search "knowledge, verbal abuse, parents". Articles obtained in accordance with the criteria that have been determined and get 5 articles nationally. The research article is titled "The Relationship of Parental Knowledge With Verbal Abuse



Behavior In Children In Tk Aba Tegalrejo". The research was conducted using this research method using correlation studies with cross sectional time approach. Data collection method using primary data using questionnaire. Respondents of this study consisted of 69 respondents, using purposive sampling techniques of data analysis using kendall tau (Indika et al., 2017)

The research article entitled "Relationship of Parents' Knowledge About Verbal Violence With Incidents of Verbal Violence In Children In Tk Rk Kuncen Yogyakarta", this research was conducted by method method used in this research is quantitative with the design of research using correlation, cross sectional approach. Sampling was done Total Sampling technique with the number of samples as many as 63 respondents. Data analysis using univariate and bivariate with Kendall Tau correlation test (Hardianti Maulidah & Nikmah, 2016).

A research article entitled "The Relationship of Parental Knowledge With Verbal Abuse Behavior In Children In The Qur'an Education Park Nurul Akmal Bantul". This research uses one of the methods This type of research is quantitative, with the design of correlation studies and using a cross sectional approach. Sampling

techniques using total sampling with the number of respondents 45 people. Research instruments using questionnaires (Fitriahadi & Pratista, 2019).

The research article entitled "Relationship of Knowledge Level With Verbal Abuse Behavior of Parents In Children in Kuwon Sidomulyo Bambanglipuro Bantul Sub-Village Yogyakarta" method of this research is descriptive research correlation with crosssectional research design. The population of 110 respondents with purposive sampling method with a sample of 80 respondents. Instruments used questionnaires for knowledge variable items 27 questionnaires and verbal abuse behavior items 26 questionnaires. Test validity and reliability using product moment and Alpha Cronbach results. Data analysis using Kendall's Tau correlation statistical test (Herlina & Purwati, 2016).

A research article entitled "Factors That Cause Parents To Commit Verbal Abuse In Early Childhood" . This research method is library research called literature research with data obtained from libraries in the form of encyclopedias, thesis, dissertations, books, journals, documents, dissions, and magazines. The library research posedur conducted in this study is

selecting topics, looking for information related to topics in the form of related journals, and the preparation of reports. The data source of this research was obtained from literature in the form of relevant journals consisting of 5 journals that have variables that correspond to the topic of research. Data collection techniques in this research is documentation that is looking for data about variables in the form of articles or journals (Erniwati & Fitriani, 2020)

### 3. Result and Discussion

The research article is titled "The Relationship of Parental Knowledge With Verbal Abuse Behavior In Children In Tk Aba Tegalejo". The results showed that out of 69 respondents found the results of 19 respondents (27.5%) knowledgeable, 27 respondents (39.1%) knowledgeable, and 23 respondents (33.3%) knowledgeable. So it can be concluded that the majority of respondents have moderate knowledge. Of the 19 well-knowledgeed respondents there were 10 incidents of high verbal abuse (14.4%) and moderate incidence of violence as many as 9 people (13.0%). Respondents were knowledgeable with high verbal abuse behavior of 16 people (23.1%) and moderate violence incidents of 11 people (15,9%). Respondents were less knowledgeable with high verbal abuse

behavior as many as 20 people (28.9%) and moderate verbal abuse behavior of 3 people (4.34%). So it can be concluded that the majority of respondents have knowledge of low verbal violence and high verbal abuse behavior Leony M Indika, Dewi Rokhanawati, Parental Knowledge Relationships ... 109 with a total of 20 respondents. Of the 20 respondents who had less knowledge with high verbal abuse behavior there were the most answered questions by respondents, namely questions that explored the understanding of verbal violence, out of 20 respondents 14 respondents answered incorrectly. So it can be concluded that the majority of respondents do not know about the notion of verbal violence (Indika et al., 2017).

Research article entitled "Relationship of Parents' Knowledge about Verbal Violence With Incidents of Verbal Violence In Children In Tk Rk Kuncen Yogyakarta", The results showed that from 63 respondents there was parental knowledge about verbal violence as many as 22 people (34.9 %), parents with moderate knowledge as many as 28 people (44.4 %) and parents with less knowledge of 13 people (20.6%). So that the majority of research respondents have knowledge of verbal abuse in children of 28 people (44.4%).

From the results of the study obtained on average - the average low-knowledge parents have a low educational background. Keep in mind that the factor that influences the occurrence of knowledge is education. Based on the results of the study obtained that from 63 respondents there were 6 respondents (9.5%) no verbal violence occurred, 5 respondents (7.9%) low verbal abuse, 35 respondents (55.6%) moderate verbal abuse and 17 respondents (27%) high level of violence. Thus, the majority of respondents committed verbal abuse on children with moderate incidents (Hardianti Maulidah & Nikmah, 2016).

A research article entitled "The Relationship of Parental Knowledge With Verbal Abuse Behavior In Children In The Qur'an Education Park Nurul Akmal Bantul". respondents with knowledge of verbal abuse behavior were not moderate as many as 9 respondents (20.0%), respondents with sufficient knowledge and moderate behavior as many as 14 respondents (31.1%), respondents with sufficient knowledge and high behavior as much as 1 respondent (2.2%), respondents with good knowledge and moderate behavior as many as 15 respondents (33.3%), respondents with good knowledge and high behavior as many

as 6 respondents (13.3%). knowledge is very influential on a person's behavior, where a person has good knowledge does not close the possibility of having positive behavior that parents will not commit verbal violence on their child, and vice versa if a person has less knowledge does not close the possibility of having negative behavior that parents will perform verbal violence on their child. Parents who have good knowledge mostly have positive behavior, while parents who have less knowledge mostly have negative behavior (Fitriahadi & Pratista, 2019).

The research article entitled "Relationship of Knowledge Level With Verbal Abuse Behavior of Parents In Children in Kuwon Sidomulyo Bambanglipuro Bantul Sub-Village Yogyakarta" The level of knowledge of parents with a category of 35 respondents (40.7%). The level of verbal abuse with a mild category was 48 respondents (55.8%). There is a connection between the level of knowledge and verbal abuse of parents in the children of Kuwon Sidomulyo Bambanglipuro Bantul Yogyakarta. The result of analysis from Kendall's Tau test obtained a calculated value of 0.215 with a significant value of 0.029. Because the calculated value is 0.215 and significant

value of 0.029 less than 0.05 (sig < 0.05) (Herlina & Purwati, 2016).

The research article entitled "Factors That Cause Parents To Commit Verbal Violence In Early Childhood" Based on several journals taken can be concluded that there are several factors that cause parents to commit violence in children, one of which is from internal factors consisting of the level of parental knowledge and the experience of parents. Factor violence because knowledge is related because of the knowledge obtained can arise behaviors that will certainly vary in each individual (Erniwati & Fitriani, 2020).

#### 4. Conclusion and Sugestion

The results of several articles that have been reviewed come to the conclusion that there is a relationship between the level of knowledge of parents and the occurrence of cases of verbal abuse in children. It is expected that the results of this literature review can be used as a material for self-evaluation so that parents still pay attention to every speech and words that will be given to the child, so that verbal violence does not occur in the child. As well as the important role for the surrounding environment to play a role in preventing verbal violence in children.

#### 5. Acknowledgements

On this occasion the author expressed his gratitude to the reviewer and experts who have been pleased to review this literature review in accordance with predetermined standards.

#### 6. References

- Erniwati, & W, F. (2020). Faktor-Faktor Penyebab Orang Tua Melakukan Kekerasan Verbal Pada Anak Usia Dini. *Yaa Bunayya Jurnal Pendidikan Anak Usia Dini*, 4.
- Fitriahadi, E., & Pratista, K. M. (2019). Hubungan Pengetahuan Orangtua Dengan Perilaku Kekerasan Verbal Pada Anak Di Taman Pendidikan Al-Qur'an Nurul Akmal Bantul.
- Fitriana, Y., Pratiwi, K., & Sutanto, A. V. (2015). Faktor-faktor yang berhubungan dengan perilaku orang tua dalam melakukan kekerasan verbal terhadap anak usia pra-sekolah. *Jurnal Psikologi*, 14, 81-93. <https://doi.org/https://doi.org/10.14710/jpu.14.1.81-93>
- Hardianti Maulidah, I., & Nikmah, L. (2016). Hubungan Pengetahuan Orang Tua Tentang Kekerasan Verbal Dengan Kejadian Kekerasan Verbal Pada Anak Di Tk Rk Kuncen Yogyakarta. *Doctoral Dissertation, Universitas' Aisyiyah Yogyakarta*.
- Herlina, A., & Purwati, Y. (2016). Hubungan Tingkat Pengetahuan Dengan Perilaku Verbal Abuse Orang Tua Pada Anak Di Dusun Kuwon Sidomulyo Bambanglipuro Bantul Yogyakarta. <https://doi.org/Digilib2.Unisayogya.Ac.Id>
- Indika, L. M., & Rokhanawati, D., & S, N. E. (2017). Hubungan Pengetahuan Orang tua Dengan Perilaku Kekerasan Verbal Pada Anak di TK ABA Tegalrejo. <http://digilib2.unisayogya.ac.id/x>

- mlui/handle/123456789/1252
- KPAI. (2015). *Kasus Kekerasan pada Anak*.  
[www.KPAI.go.id](http://www.KPAI.go.id)
- Lestari, T. (2016). *Verbal Abuse; Dampak Buruk dan Solusi Penanganannya Pada Anak*. Graha Ilmu.
- Putri, A. M., & Santoso, A. (2012). Persepsi Orang Tua Tentang Kekerasan Verbal Pada Anak. *URNAL KEPERAWATAN DIPONEGORO*, 1, 22-29.
- Wati, H. (2019). Pengaruh Kekerasan Verbal Terhadap Kepercayaan Diri Anak Usia 4-6 Tahun Di Desa Talang Rio Kecamatan Air Rami Kabupaten Mukomuko. *E-Repository Perpustakaan IAIN Bengkulu*.  
<http://repository.iainbengkulu.ac.id/id/eprint/2784>

ISO 690

Ade Iko Roviko	55	Devotee Lulut Handayani	336	Hendra Marwazi	178
Adi Isworo	312	Dian Apri Nelyanti	470	Hening Imawati	401
Agus Eka Nurma Yuneta	449	Dian Lutfia Muninggar	110	Heny Rosiana	191
Agus Subagiyo	89	Dimas Prakoso	393	Herlina Tri Damailia	194
Agustin Setianingsih	493	Dina Indrati	170	Hermani Triredjeki	336
Agustina Dwi Prastanti	601	Dita Cahya Pratiwi	299,501	Herry Prasetyo	148,268
Ahmad Baequny	178	Diyah Fatmasar	152	Heru Supriyatno	368
Aldila Noviyanti	61,516	Diyah Sri Yuhandini	286	Iis Sriningsih	170
Alfiah Rahmawati	606,613	Dr. Bedjo Santoso, S.SiT,M.Kes	478	Ika Wijayanti	264
Amran Ali Mustofa	497	Dwi Ari Murti	312	Imam Santosa	211
Ana Sundari	191	Dwi Ari Murti Widigdo	368	Imroatul Munawaroh	36
Angga Sugiarto	235	Efah Nuraropah	591	Indiyah Sulistiyowati	478
Anna V. Pont	246	Eka Santy	414	Indriati	331
Apriliana Eka Putri	606,	Enro Sujito	211	Intan Putri Utami	386
Ardi Soesilo Wibowo	588	Ermi Lilianda Alang	527,536,541	Istri Utami	386
Arie Maineny	143	Erna Erawati	135	Jauza Annisa	317,344,419
Arif Widyanto	89	Esti Rettiningsih	194	Jehani Fajar Pangestu	414
Aris Fitriyani	31	Fajar Surahmi	119	Jenita Dt Donsu	101
Arum Lusiana	23,115,379	Fajaria Nur Aini	548	Juliana Sion Sihombing	405
Ary Kurniawati	138	Farah Salsabila	317,419,344	Kartika Adyani	606
Asri Indah Aryani	585	Fatimah	126,579	Khairulisni Saniati	414
Aulia Agyanti Rahmah	286	Frizka Indarningtyas	516	Krisdiana Wijayanti	291,162
Baarizah Febriana Badri	110	Frizka Indarningtyas	497,449	Kuswanto	162
Bernadetha Tri Handini	525	Gabriella Sakulat	143	Listyaning Eko Martanti	493
Budi Astyandini	95	Gandi Ari Savitri Widayani	325	Luluk Handayani	456
Christin Hiyana Td	115	Gatot Murti Wibowo	588	Luthfia Hidayati Rahman	344,419
Chyntia Punky Permatasari	306	Gusman Arsyad	143	Luthfia Rahman	317
Cylia Dzikra Ayu Berlita	299,501	Hany Windri Astuti	156	M. Choiroel Anwar	470
Darmini	393	Hari Rudijanto Iw	89,434,444	Magfur Ramdhani	156
Dartini	393	Harmilah	101	Maisje Marlyn Kuhu	31
Defy Indah Permatasari	579	Hendra Aji Nugroho	219	Mardiyono Mardiyono	46
Delmaifanis	299,501			Margono	552
Desi	264			Masini	15
Desiska Pricilia Tumatar	291				

Maya Latifatul Masrurroh 497,516	Puji Hastuti 548	Siti Rofi'ah 36,41
Mela Firdaust 259	Puji Rahayu 166	Siti Syarashinta Cahyaningsih 552
Melyana Nurul Widyawati10	Putu Candriasih 198,203	Sri Endang Pujiastuti 10,331
Mina Yumei Santi306	Rachmawati Felani Djuria 208	Sri Mulyati 601
Moh. Ridwan 135	Rani Widiyanti S.A 55	Sri Mulyati 219
Mohammad Jaelani 1,110	rdi Soesilo Wibowo 585	Sri Setiasih 29,191
Muhamad Jauhar 119	Refa Khairunnisa 596	Sri Sumarni 10,596
Muhammad Erfansyah 126	Ribkha Itha Idhayanti 36	Sri Utami Dwiningsih 331
Muliatul Jannah 613	Rili Ronia Nggosual 272	Sri Wahyuni 10
Munayarokh 23	Rinela Padmawati 591	Sri Widatiningsih 41
Myrna Sally Hardeanna 1	Rini Dwi Mulyani 41	Sri Winarsih 187,194
Naimah Nasution463,497,516	Rini Indrati 601	Sudirman 178
Ni Kadek Ayu Tirtasari 601	Rini Sulistiawati 456	Suharyo Hadisaputro 46
Ni Made Julia Wulan Dini 246	Ririhjatmi Wikandari 401	Suherni 306
Ningsih Widayati227	Rita Benya Adriani 101	Sumarni 178
Nining Mustika 152	Rizal Ginanjar 525	Sunarko 235
Nova Agustin 379	Rizki Winarni 23	Sunarmi 312,368
Novita Kurnia Wulandari 46,331	Rizky Amelia 280,493	Sunarto 1
Nur Khafidhoh 280	rmayani 325	Suprihatiningsih 187
Nur Pratiwi 497	Rohmatun Nazilah 527,536,541	Surati 401
Nur Syahria 198,203,252	Rosep Lubatin 15	Suwanti 325
Nurasih 591	Rozikhan 29	Suyanta 235
Nurazizah Putri Rahayu 238,252	Rr. Sri Endang Pujiastuti 46	Syifa Sofia Wibowo 558
Nuril Nikmawati 187	Rusmini 548	Ta'adi 470
Nurul Herawati 484	Salikun 152,156	Tasya Nurlaila Dilla 238,252,272
Olkamien J. Longulo 198,203	Salis Nurbaiti 126	Tatsa Putri Kumala Sari 81
Palupi Bodro Sayekti 61,497,516	Selvi Alfrida Mangundap 246	Titah Pangesti 170
Panji Wibowo Nurcahyo 585,588	Sigit Wirawan, Dimas Prakoso 579	Titi Mursiti 29,191
Petrus Nugroho Ds 148	Siti Anikmah 138	Titik Sapartinah 29
Pramono Giri K 336	Siti Chunaeni 115,227,379	Tiyara Safitri 527,536,541
Prita Yusita Isdaryani 493	Siti Daryati 601	Tri Cahyono 434,444
	Siti Masrochah 126,393,579,588	Tri Nurhidayati 95
	Siti Mulidah 31	Triana Indrayani 299,501

Triana Sri Hardjanti	493
Tulus Puji Hastuti	135,336
Tuti Sukini	15,166
Ulfah Agus Sukrillah	148,268
Ulfatun Khasanah	527,536,541
Vera Renta Siahaan	456
Vina Dhian Titisari	512
Vina Nurul Utami	548
Wafi Nur Muslihatun	552
Wahyu Pujiastuti	166
Walin	268
Wicky Sri Erland Adityas	31
Yasmina Izzat	119
Yeni Yulistanti	72
Yeti Kartikasari	138,219
Yeyen Wulandari Dhanio	238,272
Yodong, S.ST, MH.Kes	478
Yudi Indrajati Nugroho	393
Yuli Sulistiyo	525
Yunita Anggeraeni Putri	613



# 2nd INTERNATIONAL CONFERENCE POLTEKKES KEMENKES SEMARANG

## “ON HANDLING NON COMMUNICABLE DISEASES”

### SEMARANG, 2-3 SEPTEMBER 2020

# PROCEEDINGS OF PAPERS

Praise our gratitude for the presence of God Almighty, for His bless and grace, so that the implementation of this International Conference can be held with the theme “On Handling Non-Communicable Disease During Covid 19 Pandemic” which aims to share information about current issues regarding Non-Communicable Disease during the Covid- 19 Pandemic, Facilitating a meeting forum for scientists, researchers, academics and students to exchange experiences and research results on all aspects of handling, and controlling Covid-19 transmission to people at risk and people with non-communicable diseases and facilitating forums to share interventions in dealing with the prevention and control of non-communicable disease during the Covid-19.

The International Conference is expected to be a means in efforts to prevent and control public health problems through research based on science and technology that is built from research and publications activities an the applications of research results in solving health problems in the community, in terms of this is a matter of NCDs prevention an control. The industrial era 4.0 also requires academics, students, and health observers to always update their abilities through research and scientific activities, to contribute to the handling of NCDs, especially in the Covid-19 Pandemic. Our gratitude goes to the Director of Ministry of Health Polytechnic in Semarang, resource persons, paper contributors and all related parties so that the international conference can be held well.



ISBN 978-623-6730-03-4



9 786236 730034

