JAMHESIC 2020

Jambi Medical And Health Science International Conference 2020

"The New Normal of Medical And Health Science Practice"

8TH DIES NATALIS
FACULTY OF MEDICINE AND HEALTH SCIENCE
UNIVERSITAS JAMBI
NOVEMBER 12-14, 2021 | VIRTUAL CONFERENCE

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WELCOME MESSAGE

Assamualaikum Wr. Wb

Good Morning Ladies and Gentlemen,
I would to like to welcome to Rector of Jambi University, Prof. Drs. H. Sutrisno, MSc, PhD, all Invited Speakers and all participants of Jambi Medical And Health Science International Conference , 2020

Ladies and gentlemen,
There are more than 300 participants joined this conference and they are from various background such as lecturers, researchers, practitioners, educators, and students. And the theme of this conference is The New Normal of Medical and Health Sciences Practices.

This Conference is aimed to provide insightful information on new advance and research result in varied disciplines in all aspect of medical, nursing, physiologys, pharmacist and public health that consider on improvement and development for health science with oral presentation and poster presentation. I hope this conference will upgrade our knowledge and publication.

Finally,
I would like to thanks to the committee of this conference for their hard work to make this event possible. Thanks to all participants for their contribution to this conference.
I wish you all enjoyable sessions in the conference.
Wassalamualaikum wr wb

SINCERELY,

dr. Wahyu Indah Dewi Aurora, M.K.M
Chairperson Commiitee, JAMHESIC 2020
Assalamualaikum wr.wb,
Good morning and best wishes to all of us ..

By chanting the name of Allah, The Most Gracious and Most Merciful, let us express gratitude, so that this bright morning we can be present by online in a healthy state to participate in the 8th Anniversary of the Faculty of Medicine and Health Sciences, Jambi University. To ALLAH SWT, we hope that pleased to always bestow peace, prosperity, love and abundant blessings in this beloved campus. Let us also be grateful that at the age of 8 years, FKIK UNJA continues to grow to fill this day and beyond by educating the nation’s children to build Indonesia’s future with work, creativity and innovation as well as the spirit of progress and togetherness.

The Faculty of Medicine and Health Sciences of Jambi University (FKIK UNJA) was officially established on October 10, 2012 based on Jambi University Chancellor’s Decree Number 748 / UN21 / DT / 2012 concerning the Establishment of the Faculty of Medicine and Health Sciences of Jambi University, which was originally as Program Studi Pendidikan Dokter based on operational permit SK no. 1369 / D / T / 2005 dated 10 May 2005. The establishment of PSPD Unja was the result of the struggle of Jambi community leaders at that time who were concerned about the health conditions in the province of Jambi, especially the constraints of limited human resources for doctors, so the governor (late) Drs. H. Zulkifli Nurdin MBA and Unja Chancellor Mr. Kemas Arsyad Somad SH, MH welcomed the idea of dr. H. Abdul Hamid Syam and formed a taskforce team to compile a proposal for the establishment of a medical faculty where one of the members is Prof. Dr. Sutrisno M.Sc, PhD, who currently serves as the Chancellor of UNja and Prof. Dr.rer.nat.Rayandra Asyhar, M.Si. who currently also serves as vice chancellor for planning, information systems and cooperation.
The Faculty of Medicine and Health Sciences of Jambi University initially consisted of a medical study program, a medical professional study program, a nursing study program, a nurse professional study program and a psychology study program. With the issuance of the Chancellor’s Decree 1734 /UN21 / OT / 2020 concerning the determination of the name of the department and the placement of study programs at the faculty and postgraduate level in Unja, FKIK consists of 5 departments, namely medicine, nursing, psychology, pharmacy and public health, with 7 study programs, namely the medical study program, the nursing doctor profession, the nurse profession, psychology, pharmacy, and public health, with an increasing interest in prospective students, both through the snmptn, sbmptn and independent pathways through SMM PTN from year to year. Thank God, all study programs have been accredited by both LAMPTKes and BANPT rank B, while the pharmacy study program which relatively new with limited laboratory facilities and number of human resources is trying its best to improve its ranking to B in 2021.

Faculty of Medicine and Health Sciences of Jambi University with the vision: "to become a nationally Medicine and Health Sciences faculty with quality, competitive and entrepreneurial By 2025." Continues to experience changes in a proud direction along with the changes in Jambi University where policy direction and decision making in resource management, infrastructure and other potential for development towards the realization of UNJA as A World Class Agroindustrial and Environmental-based Entrepreneurship University in 2024 with five target achievements abbreviated as SMART acronym, namely: ~Student Achievement; ~ Management Transformation; ~ Academic Reputation; ~ Relevance in Work Graduated; and ~ Technology for Digital Transformation.

Currently FKIK as part of the University of Jambi in accordance with provisions Number 19 of 2014 concerning the Organization and Work Procedure of Jambi University, has compiled the 2020-2024 Strategic Plan of FKIK which clearly has determined performance targets which are of course guided by the university’s main performance indicators through the UNja Rector’s priority program 2020-2024, UNJA SMART, by remaining focused on preparing qualified graduates who are absorbed in the world of work, qualified lecturers by building a network of Tridharma Perguruan Tinggi on a national and international scale. Thank God, for the 2019-2020 new cpns recruitment, around 20 alumni of the fkik unja have passed the final stage of the Selection for Candidates for Civil Servants for the Formation State Civil Service Agency for 2019.

Furthermore, the quality of curriculum and learning is improved in the current context. The Free Learning Policy - The Independent Campus which was launched by the government and has been held at the UNJA campus is a framework to prepare students to become strong scholars, relevant to the needs of the times, and ready to become leaders with a high national spirit, even though the health sector, namely medicine and nursing are not including. We need to report that specifically for the medical profession study program from 2012 to 2020 there were 734 doctors, with UKMPPD CBT graduations in the range of 60% and OSCE 90%, while UKNI for the nurses profession was 234 people from 2016 to 2020.

Specifically for UKMPPD, the numbers of re-taker, who is still failed to passed is around 3%, which is still low compared to the national re-taker, which is around 6%, namely from 2014 to February 2020 there are 56,000 new doctor graduates with a total of 3400 still failed to pass the examination. There are joint steps and efforts to re-accredit the study program in 2023-2024 with the target of achieving superior rank. as well as international accreditation, which is currently being sought for grants to facilitate international accreditation for psychology study programs held by the Ministry of Education.
Ladies and gentlemen,

From the achievement of the financial performance in 2020 as a whole is very good and has experienced many improvements compared to the previous year. In 2020, FKIK Unja succeeded in increasing its assets to Rp. 37,329,900,668, - increased compared to assets in the previous year. This was achieved with a budget absorption rate of 80% in each fiscal year. Currently the number of permanent lecturers who have nidn is 113, based on the functional position consisting of one professor, namely Prof. Dr. rer. nat. Muhaimin, S.Pd., M.Sc., 1 lektor kepala, 75 with lector positions, 37 asisten ahli, while based on the latest education, there are 9 PhD lecturers and 75 S2 lecturers. This is certainly a great homework for the FKIK Unja community to be able to increase the number of lecturers for the S3 Education strata as well as Professor functional positions and head lecturers by continuing to improve their performance according to the tri dharma function of PT, namely education, research and community service. In addition, specifically for the department of medicine and nursing, it is supported by the presence of 143 clinical educators and 32 CI nurses, both in the main teaching hospital and networks and educational facilities at the puskesmas.

FKIK UNJA always provides stimulation and support for the positive activities of its students, which currently number 2,847 students, through positive activities such as coaching student competencies by organizing competition grants at the faculty, entrepreneurship training programs, then developing talents by establishing innovation units and SMART technology business incubators. , developing entrepreneurial startups by building a network of technology business incubators and cooperation programs in order to strengthen innovation and start-up and scale-up grants, as well as efforts to track alumni by trying to implement entrepreneurial alumni programs. Students from all study programs in FKIK Unja have made many achievements, both locally, nationally and regionally. Such as the winner of student creativity program, student entrepreneurship program, youth collaboration competition. Besides that, currently FKIK UNJA in the achievement of student affairs organizes student soft skill coaching by forming and training peer group counselors, then developing students’ talents and interests through student talent interest development programs and of course student welfare services through scholarships where a program to strengthen students who receive scholarship benefits as well as other student services. In the field of research, strengthening and developing research as well as community service, FKIK Unja continues to strive to provide infrastructure, including adequate laboratory facilities. Then strengthen the role and function of the Ethics Committee of Health Research at FKIK Unja which has just carried out training on research ethics and good clinical practice in collaboration with FIRREC (Indonesian Recognized Research Ethic Committee forum) which is funded by the AKSI-ADB project. year 2020.

Currently, FKIK Unja is developing integrated and connected research between fields of expertise, rearranging the research road map based on the potential they have which refers to the university research road map and national priority scale. By constructing a way of thinking, how to learn and how to work it is hoped that it will foster creativity which in turn will produce an innovative research and service product in the FKIK Unja environment. Therefore, in order to provide explanation, we ask Mr. Unja Chancellor Prof. Dr.H.Sutrisno M.Sc.PhD to elucidate as a keynote speaker, with the title "THE ROLE OF UNJA SMART IN PROMOTING INNOVATION AND RESEARCH OF CIVITAS ACADEMIC COLLABORATION IN THE FIELD OF MEDICINE & HEALTH SCIENCE IN THE PANDEMIC TIME of COVID"
in the first international conference that was held conjoin with the 8th anniversary of FKIK Unja this year, inviting international speakers, Prof. Dr. dr. H. Ari Fahrial Syam, SpPD-KGEH, MMB, FINASiM, FACP, FACG. (Dean of the Faculty of Medicine, University of Indonesia), Asst.Prof. Alfi Khatib (International Islamic university malaysia), Dr. Dicky Budiman, M.Sc.PH, PhD (Can) (Australian Griffith University Epidemiologist), Herwansyah, SKM, MPH, PhD (Can) (Department of International Health, Care and Public Health Research Institute (CAPHRI) Faculty of Health , Medicine and Life Sciences Maastricht University), Prof. dr. Hasbullah Thabrany, MPH, Dr.PH. (Professor of the Faculty of Public Health, University of Indonesia), Prof. Dra Juanaiti Sahar, SKp, MApp Sc (Professor of Maternity Nursing at the University of Indonesia) and Prof. Dr. rer. nat. Muhamin, S.Pd., M.Si. (Professor of the Faculty of Medicine and Health Sciences, Jambi University), in addition to seminars, dissemination of research outputs and community service activities were held, which were not only attended by lecturers and students in the FKIK Unja, but also attended by lecturers / researchers / students from external.

Mr. Chancellor, Ladies and Gentlemen, and honorable invitations.

In this good opportunity, I would like to invite all to increase our cooperation, both to support the student education process (scholarships, public lectures), guidance / mentoring such as leadership, motivation, research collaboration, community service activities with lecturers and students. What is certain is that the spirit of togetherness should be an inspiration to build our collective awareness to improve the quality and competitiveness of FKIK graduates and products in the global arena. FKIK graduates and products in global life will continue to exist if they show an independent capacity in carrying out their duties and responsibilities and are creative in various activities.

We would like to express our gratitude and appreciation to all those who have organized this FKIK Unja Anniversary event and the JAMHESIC 2020 international conference, specifically, to the organizing committee and all parties that we cannot mention all of. Hopefully what you have done for this activity will be recorded by Allah SWT as an act of worship and receive a reward from HIS. Amen.

Finally, I would like to express my gratitude to all who attended and the 8th Dirgahayu Faculty of Medicine & Health Sciences, Jambi University.

JAYALAH ... FKIK UNJa ... UNJA SMART..FKIK UNGGUL

Let me convey the rhyme as the culture of the Jambi’s people,

Jika ada duren belah,  
Jangan makan seorang diri.  
Jika ada kata yang salah  
Mohon maafkan sepenuh hati.

Senyum tulus bukan basa basi,  
Lisan manis tiada berduri.  
Cukup sekian dan terimakasih,  
Wassalamu alaikum kami akhiri

SINCERELY,

Dr. dr. Humaryanto, Sp.OT, M.Kes  
Dean of Faculty Medicine and Health Science  
Jambi University
ORGANIZING COMMITTEE

Person in Charge: Dr. dr. Humaryanto, Sp.OT, M.Kes
Chairperson Committee: dr. Wahyu Indah Dewi Aurora, M.K.M
Secretary: dr. Erny Kusdiyah, M.Kes

Committee Members:
1. Urip Sulistiyo, S.Pd., M.Ed., Ph.D.
2. dr. Mirna Marhami Iskandar, Sp.S
3. dr. Anati Purwakanthi, M.Sc
4. dr. Ahmad Syauqi, M.Biomed
5. Andika Sulistiawan, S.Kep, Ners, M.Kep
6. Siti Raudhoh, S.Psi, M.Psi, Psikolog
7. Yun Nina Ekawati, S.Psi., M.Psi., Psikolog
8. Juni Arcan, Am.Kep
10. Yurico, S.Kep
11. Feri Setiawan
12. Dira Meilani, SE
13. Mory Setiawan, S.Pd
14. M. Fadhil Naufal
15. Ria Novia
16. Indah Febrityanti
17. M.Hanzen William Sihite
18. Nabilla Chairunnisa
19. Melati Oktaviani
20. M. Kholis Dzaky
21. Rifai, S.Ked
Reviewers Oral Presentation
1. Prof. Dr. rer. nat. Muhamin, S.Pd., M.Si
2. Dr. dr. Humaryanto, Sp.OT, M.Kes
3. Dr. dr. Fairuz, Sp. PA., M.Kes.
4. Dr. dr. Herlambang, Sp.OG-KFR
6. Dr. Guspianto, S.KM., M.KM
7. Dr. Ummi Rahayu, S.K.M, M.K.M
8. Dr. Muthia Mutmainnah, M.Kep, Sp. Mat
9. Dr. Andi Subandi, S.Kep, M.Kes

Reviewers Poster Presentation
1. Dessy Pramudiani, M.Psi, Psikolog
2. Agung Iranda, S.Psi., M.A.
4. Fitrianingsih, S. Farm., Apt., M.Farm
5. Yuliawati, S. Farm., Apt., M.Farm
7. Elisma, S. Farm., Apt., M.Farm
8. dr. Ave Olivia Rahman, M.Sc
9. dr. Esa Indah Ayudia, M.Biomed
11. Marlita Andhika Rahman, M.Psi, Psikolog
13. Dini Rudini, S.Kep, Ners, M.Kep
14. Nurhasna, S.Kep, Ners, M.Kep
15. Hendra Dhermawan Sitanggang, S.K.M., M.Epid
16. Silvia Mawarti Perdana, S.Gz., M.Si
Day 1
12 November 2020

08.00-08.30 Preparation
08.30-09.30 Opening Ceremony
   1. Opening session by MC
   2. Listening Holly Quran
   3. Prayer
   4. Listen to Indonesia Raya Songs.
   5. Listen to Mars Unja
   6. Listen to Mars FKIK
   7. Opening Speech Chairperson Committee
   8. Opening Speech Dean FKIK
   9. Closing and take photo
09.30-10.00 Keynote Speaker
   REKTOR UNIVERSITAS JAMBI
10.00-10.30 Prof. Dr. Ari Fahrial Syam, Sp.PD-KGEH
   “Innovation of Preventive Intervention and Health Promotion in Pandemic Era”
10.30-11.00 Prof Alfi Chatib
   “Metabolomics: A Novel Approach in Pharmacognosy”
11.00-12.00 Ask And Question Session

PARALEL SESSION

13.00-15.00
Room A : Presentation Oral Grup 1
Room B : Presentation Oral Grup 2
Room C : Presentation Poster Grup 1
Room D : Presentation Poster Grup 2
Room E : Presentation Poster Grup 3
Day 2
13 November 2020

08.30-09.00 Preparation
09.00-09.30 Dr. Dicky Budiman, M.Sc, PH, PhD
    Moderator: dr. Fairuz Quzwain, Sp.PA, M.Kes
    “The Roles And Challenges of Medical Education in a Pandemic Era”
09.00-10.45 Prof. Dr. rer. nat. Muhaimin, S.Pd., M.Si
    Moderator: dr. Fairuz Quzwain, Sp.PA, M.Kes
    “Release Adjustment Of Drug Combinations With Different Drug Solubility From Microparticles”
10.45-11.00 Ask And Question Session

PARALEL SESSION
13.00-15.00
    Room A : Presentation Oral Grup 3
    Room B : Presentation Oral Grup 4
    Room C : Presentation Poster Grup 4
    Room D : Presentation Poster Grup 5
    Room E : Presentation Poster Grup 6

Day 3
14 November 2020

08.30-09.00 Preparation
09.00-09.30 Prof. dr. Hasbullah Thabrany, MPH, Dr. PH
    Moderator: Rumita Ena Sari, S.K.M, M.K.M
    “The Community Resilience and The Role of Public Health Workers Against COVID-19”
09.30-10.00 Prof. Dr. Juniati Sahar, SKp, M. App Sc. Ph.D
    Moderator: Rumita Ena Sari, S.K.M, M.K.M
    “Community resilience in the covid-19 pandemic and the role of community health nurse”.
10.00-10.30 Herwansyah, S.K.M.,M.P.H PhD (Cand)
    Moderator: Rumita Ena Sari, S.K.M, M.K.M
    “Improving maternal health service at primary health care setting”
10.30-11.30 Ask And Question Session

PARALEL SESSION
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035
EFFECT OF KETOGENIC DIET ON CELL PROLIFERATION IN THE LIVER OF WISTAR STRAIN WHITE RAT

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ABSTRACT

Background: Ketogenic diet is one of the dietary management methods to overcome obesity. The ketogenic diet is a diet high in fat, sufficient protein, and low in carbohydrates. The main metabolic reactions due to the ketogenic diet occur in the liver. Hepatocytes, which are liver cells, can respond to oxidative stress due to the ketogenic diet in the form of cell proliferation. Liver cell proliferation can be determined by assessing the expression of Ki-67.

Aim This study aimed to assess the accumulation of liver cells in Wistar rats after a ketogenic diet.

Method The method of this research is experimental laboratory research with a research design only post test group design. The study was conducted by examining body weight and blood ketones before and after the examination, then carrying out an immunohistochemical assessment of cell proliferation by assessing the expression of Ki-67. This study's inclusion criteria were male Wistar strain white rats (Rattus norvegicus), rats aged 2-3 months, body weight between 150-200 grams, and no anatomical abnormalities. Mice considered to drop out if the mice's blood ketone levels at week four were <0.5 and the mice died during the study period.

Results of the study in this study were that there was an effect of differences in the diet intervention group on body weight after the diet intervention (p <0.05). There was an effect of differences in the dietary intervention group on blood ketone concentrations after the dietary intervention (p <0.05) without any impact on blood ketone concentrations before the dietary intervention. The average fraction of the expression area of Ki67 on the high-fat diet was 46.33%, the calorie restriction diet was 49.33%, the combination diet was 58.47%. In comparison, the percentage of the Ki-67 expression area fraction in control was 45.52%.

Conclusion A high-fat diet and a combination diet can significantly increase blood ketones compared to a calorie restriction and control diet. Diets high in fat, calorie restriction diets, and combination diets can increase liver cell proliferation.

Keywords: Ketogenic Diet, Ki-67, Cell Proliferation.