



# PROCEEDINGS

## The 4<sup>th</sup> International Conference on Sustainable Innovation (ICoSI) 2020

Cutting Edge Innovations for Sustainable Development Goals

Universitas Muhammadiyah Yogyakarta (Indonesia)

October 13 - 14 2020

<https://icosi.umy.ac.id/>

## Focal Conferences



- ✔ (ICPU) The 2nd International Conference on Pharmaceutical Updates
- ✔ (ICOMS) The 6th International Conference on Management Sciences
- ✔ (ICLAS) The 9th International Conference on Law and Society
- ✔ (ICMHS) The 4th International Conference Medical and Health Sciences
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- ✔ (ICONURS) The 2nd International Conference on Nursing
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- ✔ (IConARD) International Conference on Agribusiness and Rural Development
- ✔ (ISHERSS) The 2nd International Symposium on Social Humanities Education and Religious Sciences
- ✔ (ICONPO) The 10th International Conference on Public Organization
- ✔ (DREAM) The 5th Dental Research and Exhibition Meeting
- ✔ (ICHA) The 5th International Conference on Hospital Administration
- ✔ (ICOSA) The 3rd International Conference on Sustainable Agriculture





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## Preface by the Chairperson of the 4<sup>th</sup> ICoSI 2020



**Dr. Yeni Rosilawati, S.IP. S.E., MM.**

Assalamu'alaikum Wr. Wb.

All praise is due to Allah, the Almighty, on whom we depend for sustenance and guidance. Prayers and peace be upon our Prophet, Muhammad SAW, his family and all of his companions.

On behalf of the organizing committee, it is my pleasure and privilege to welcome the honourable guests, distinguished keynote & invited speakers, and all the participants.

With the main theme of “Cutting-Edge Innovations on Sustainable Development Goals (SDGs)”, the 4<sup>th</sup> International Conference on Sustainable Innovation (ICoSI) 2020 serves as a forum to facilitate scholars, policy makers, practitioners, and other interested parties at all levels from Indonesia and abroad to present their novel ideas, promote cutting-edge research, and to expand collaboration network. The conference has about 1373 participants participating from more than 8 countries 4 continents all over the world, making this conference a truly international conference in spirit.

This multidisciplinary conference was first held in 2012 and has undertaken various changes and adopted to the current technological trends of our education system. From having this conference with just 175 participants back in 2012 we have come a long way in making the conference a huge success with more than 1373 participants participating in this two-day conference.

Formerly, this conference consisted of only 9 (nine) focal conferences. This year, there are 14 focal conferences from various disciplines, namely: 1) The 2<sup>nd</sup> International Conference on Pharmaceutical Updates (ICPU), 2) The 6<sup>th</sup> International Conference on Management Sciences

(ICoMS), 3) The 9<sup>th</sup> International Conference on Law and Society (ICLAS), 4) The 4<sup>th</sup> International Conference Medical and Health Sciences (ICMHS), 5) The 6<sup>th</sup> International Conference for Accounting and Finance (ICAF), 6) The 2<sup>nd</sup> International Language and Education Conference (ILEC), 7) The 2<sup>nd</sup> International Conference on Nursing (ICONURS), 8) The International Conference on Information Technology, Advanced Mechanical and Electrical Engineering (ICITAMEE), 9) The 2<sup>nd</sup> International Conference of Agribusiness and Rural Development (IConARD), 10) The 10<sup>th</sup> International Conference on Public Organization (ICONPO), 11) The 2<sup>nd</sup> International Symposium on Social Humanities Education and Religious Sciences (ISHERSS), 12) The 5<sup>th</sup> Dental Research and Exhibition Meeting (DREAM), 13) The International Conference on Hospital Administration (ICHA), and 14) The 3<sup>rd</sup> International Conference on Sustainable Agriculture (ICoSA).

Accordingly, We are proud to announce that this year, the 4<sup>th</sup> ICoSI 2020 breaks the Museum Rekor-Dunia Indonesia (MURI) record as the Virtual Multidisciplinary Conference with the Largest Number of Area of Fields in Indonesia

In addition, this year, this conference holds special value since this is the first conference in the history of our university where the entire conference is taking place remotely on a digital platform through the use of advance technologies due to the Covid-19 Pandemic.

I would take this opportunity to express my highest respect to the Rector of Universitas Muhammadiyah Yogyakarta, Dr. Gunawan Budiyanto who gave approval and ensured the maximal support from all the faculty members of Universitas Muhammadiyah Yogyakarta (UMY) that made this event a big success. In addition, my appreciation goes to all the support teams who have provided their valuable support and advice from planning, designing and executing the program.

Let me conclude my speech by encouraging the delegates to participate with an increasing number in all the activities and discussions through the digital platforms for the next two days. I wish everyone a successful, safe, and fruitful conference.

Thank you!

Wassalamu'alaikum Wr. Wb.

Yogyakarta, Indonesia, 14 October 2020





## Welcoming Remarks by the Rector of Universitas Muhammadiyah Yogyakarta



**Assoc. Prof. Dr. Gunawan Budiyanto**

Innovation is the beginning of the development of technology, and technology is a development machine that is expected to provide benefits to humans and provide the smallest possible impact on environmental quality. In the concept of sustainable development, development must improve the quality of human life without causing ecological damage and maintain the carrying capacity of natural resources.

International Conference on Sustainable Innovation (ICoSI) is an international conference which is an annual conference held by the University of Muhammadiyah Yogyakarta (UMY), Indonesia. In 2020 this raises the issue of "Cutting-Edge Innovations on Sustainable Development Goals." Therefore, on behalf of all UMY academics, I would like to congratulate you on joining the conference, hoping that during the Covid-19 Pandemic, we can still provide suggestions and frameworks for achieving sustainable development goals.

# About The 4<sup>th</sup> International Conference on Sustainable Innovation (ICoSI) 2020

## *Cutting Edge Innovations for Sustainable Development Goals*

The 2030 Agenda for Sustainable Development is enacted by the United Nations as a shared blueprint for peace and prosperity for people and the planet, now and into the future. It consists of strategies to improve health and education, reduce inequality, and spur economic growth while also conserving natures by 2030.

This year, however, at the first one-third of its timeline, the SDG Reports shows that the outbreak of COVID-19 did hinder the achievement, or at least decelerate the progress of achieving the 17 goals. In fact, according to the report, “some number of people suffering from food insecurity was on the rise and dramatic levels of inequality persisted in all regions. Change was still not happening at the speed or scale required”, accordingly.

Therefore, in this event of pandemic, the quantity and quality of research, innovation, and more importantly multi-disciplinary collaboration are indispensable. Furthermore, there needs to be clear ends of those works. That is how those research are applicable and benefits directly to the society. That is how those research is incorporated as the drivers of policy making, and used practically in the society. Hence, the stakeholders especially the triple helix of higher education institution, government, and industry must be re-comprehended and supported to reach the common goal of the SGD.

International Conference on Sustainable Innovation (ICoSI) has been essentially attempting to strengthen this regard since its first establishment. One of the goals of ICoSI is to provide primarily a platform where scholars, practitioners, and government could grasp the development and trends of research. Hopefully, meeting these actors altogether would result in stronger collaboration, sophisticated and advantageous research, and brighter ideas for further research. Based on these reasoning, this year, the 4th ICoSI 2020 UMY is themed ‘Cutting-edge Innovations for Sustainable Development Goals’.

Improving from last year conference which brought nine focal conference, this year ICoSI 2020 UMY brings 14 disciplines, from social sciences, natural sciences, and humanities. ICoSI 2020 received as much as 1005 papers. The paper works submitted in ICoSI 2020 UMY will be published in Atlantis Proceedings, IOP Proceedings, National/International Journals, and ICoSI ISBN-indexed Proceedings.

Nevertheless, ICoSI believes that publication is only the beginning of research dissemination. The publications will enhance the chance of the research known by wider audience, and then used, applied, and incorporated at either system, institutional, or personal level of human lives.



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# TRACK ECONOMICS, LAW, EDUCATION, SOCIAL, AND HUMANITIES



# Phenomenology of Acceptance Process and Self Concept Changes of the Hernia Post-Surgery Clients in Kebumen Regency, Central Java Indonesia

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## ABSTRACT

Background Hernia Post-Surgery clients may get physical and psychological disturbances as their body is weak for still in the process of adaptation to the changes after the surgery. Thus, they are more likely experiencing difficulties to fulfill their obligation in accordance with their roles. Purpose This study aims at finding out the phenomenology of acceptance process and self-concept changes of hernia Post- surgery clients in Kebumen regency, Central Java. Method This study is a qualitative descriptive phenomenology an interpretative approach on 8 participants (hernia post-surgery clients). Data were obtained through an interview. Result The clients of hernia Post-Surgery have undergone an adaptation process, such as accepting process, adaptation of accepting process, and new role response. They need a support system like primary caregiver and social environment support to to overcome some changes as in the way they do their activities, in their physics, their sexual behavior, and other disturbance related to their self-ideal fulfillment. Conclusion The Are many acceptance process and self-concept changes of hernia Post-Surgery clients and this study recommends to provide therapy to hernia Post-Surgery clients to maintain their self-esteem.

**Keywords :** *Hernia Post-Surgery, Acceptance Process, self-concept changes*

## 1. INTRODUCTION

Commonly, Hernia is a disease found in surgical cases, and it it recently began to be widely known by various by various circles of society, both in the developed and developing countries. Hernias have several types, namely Inguinal Hernia, Scrotal Hernia, Femoral Hernias, Umbilic Hernias, Paraumbilical Hernias, Sliding Hernias, Hiatal Hernias, Richter Hernias, Omfalocele Hernias, and Intestinal Hernias.

Surgery is the most possible therapy for healing hernia clients. Broadly speaking, surgery is divided into two, namely major surgery and minor surgery (Mansjoer, 2007). The number of patients with surgery reaches, a very significant increase. In 2011, here were 140 million patients in all hospitals in the world, was in 2012 it is, estimated to increase to 148 million, according to data from the World Health Organization (WHO) (2013). In 2012 in Indonesia, surgery reached 1, 2 million (Republic of Indonesia Ministry of Health, 2013). According to Brunner & Suddarth (2014), patients who undergo surgical medication often have problems with psychosocial problems such as anxiety, depression, loss, and sadness.

From the results of the preliminary study conducted by researchers in Kebumen District on February 5, 2018, 162 patients had hernia surgery from November 2017 to January 2018, and conducting interviews with three data samples, the first participant said that he felt difficulty in performing what used to be his usual works. the second

participant said that he was experiencing difficulty to do what he used to do normally; such as when having to ride motorcycle on a daily basis. Being some menial things in the past, driving or travelling too long have now brought him pain, husband and father due to his illness, as refer to what he said, his pain is very much influencing his physical condition.

Seeing the importance of fulfilling self-concepts related to the process of acceptance and change in post hernia surgery clients to achieve a good quality of life, the researchers were interested in examining the Phenomenology study of the Process of Acceptance and Change of Self Concepts in Post Op Hernia Clients in Kebumen District, Central Java.

## 2. RESEARCH DESIGN

This study used a qualitative research method with an interpretive approach and a descriptive type of phenomenology research. The participants of the research were post hernia surgery patients who fit the criteria. The principle of sampling in qualitative research was data saturation. Samples were selected using the snowball sampling technique on 8 participants (hernia post-surgery clients). Therefore, the ideal minimum sample was fulfilled in qualitative research. All participant was recruited under informed consent and willing to participate this study. The study instrument was the researcher. In addition, voice recorders, interview guides, and field notes were used in this study. Data was obtained using depth interviews.

Interview trials were conducted before the study with one participant. Each participant was interviewed during 30-45 minutes.

### 3. RESULTS AND DISCUSSION

#### 3.1. Results

The results of verbatim transcripts from 8 participants interviewed were found in two main themes which explained the process of acceptance and changes in self-concept in post hernia surgery clients. The related themes are based on the data that researchers encounter in the field including: the impact of hernia surgery, the process of adaptation to changes in postoperative and support systems for changes in postoperative. Data Analysis: Impact of Hernia Surgery. The result showed that process of acceptance and changes in self-concept of post hernia surgery client are **Changes to Activities** "*The activities are assisted, I have only spent one month being wiped out, because to sit for a while it feels odd, so it's just sleeping*" (P1, P2, P3, P4, P5, P6, P7, P8). **Physical changes** "*the obstacle, I can't work as usual, just working a little feels sick, can't be too tired, if tired like going to relapse*" (P1, P2, P3, P4, P5, P6, P8). **Sexual Pattern Changes** "*At first I was not brave, I went home for a month not touching my wife, worried about breaking again if tired*" ((P1, P3, P4, P5, P6, P7, P8). **Self Ideal Fulfillment Disorder**, "*there are and many disorders, it is indeed sick, I am unable to work and fulfill my desires, even working hours have been reduced*" (P1, P2, P3, P4, P5, P6, P7, P8).

Another result are the process of adaptation to postoperative changes. **The acceptance process response** "*I pray to get well soon, not relapse again, wife's child also needs a living*" and "*so I accept patiently and I live as usual*". (P1, P2, P3, P4, P5, P6, P7). **Adaptation in the process of receiving** "*about 1 month, after one month I just dared for activity*" (P1, P2, P3, P4, P5, P6, P7, P8). **The adaptation process for the new role** "*helps sell in the store, but does not lift weight*" (P1, P2, P3, P4, P5, P8).

**Support System accepts changes in post operation is The Main Caregiver** "*my wounds were treated by my wife*", "*all activities were assisted by the wife*" and also control for three times " (P1, P2, P3, P4, P5, P6, P7, P8). **Acceptance of the Social Environment** "*people behave as usual, they understand*" (P1, P2, P3, P4, P5, P6, P7, P8).

#### 3.2. Discussion

**Self Concept Changes To The Hernia Post Surgery Clients is Change in activity** According to the researcher the surgical wound is still new and has not healed due to a long healing process and nutrition plays an important role in the wound healing process, while the research results of Kusumayanti (2014) obtained data if the calculation is based on nutritional fulfillment characteristics, at postoperative patients, 9 (47.4%) of the respondents in Tabanan BRSU had good nutrition, and 10 respondents (52.6%) were patients with poor nutrition fulfillment, especially if the patient was postoperatively Aged hernia

will certainly hinder the healing process, according to the results of a study from Nurani (2015) found data that respondents aged <35 years as many as 89 people (78, 1%) have a good wound healing process, while the age of > 35 years as many as 25 people (21.9%) has a poor wound healing process, because the aging process will reduce all bodily functions including the pros slow inflammatory ice, and decreased antibody and lymphocyte formation, which interferes with the wound healing process.

**Physical changes** According to researchers, this is caused by a wound that causes pain so the patient is lazy to move, according to Basuki (2007) who said that surgical procedures for the abdomen, will cause damage to the tissue, and cause pain in the abdomen. the pain indicates that there is damage, or injury both in mild or severe intensity, as a result of the pain a person will tend to be lazy to carry out activities, besides the decline in functional ability will arise due to pain and the condition of patients who are still weak. While each individual would want to be free from pain to get a comfortable sense of security, because the need to be free from pain is one of the basic needs, which is the goal of giving nursing care to a patient Andarmoyo (2013).

**Sexual pattern** According to the researchers, because patients are afraid that having sex will cause more injuries and will be operated again or relapse hernia, an anxious person will feel fear or lose confidence that is not clear in origin or form (Wiramihardja, 2007). But sexual needs must be fulfilled because the results of Sasmito's research (2015) say that, when fulfilling increasingly fulfilled sexual needs, it can provide a good quality of life, but if fulfilling sexual needs is low then the quality of life will also be low. Therefore, fulfilling the sexual needs of post hernia surgery clients is very important to improve the quality of life.

**Impairment of ideal self fulfillment** According to the analysis of researchers, this impairment is caused by participants not being able to work as before, so that participants have difficulty fulfilling their needs, and to achieve the desires of participants, of course it will have a negative impact on their self-esteem, because the bad ideal is usually caused by the role self that fails, and someone puts more pride on his work (Brunner & Suddarth, 2014). Because the ideal of self is the individual's perception of his behavior, adjusted to the standards personally based on ideals, hopes, desires, types of people and values to be achieved (Sunaryo, 2013).

**Reception response** According to researchers, the attitude of self-acceptance can be done realistically, but it can also be done unrealistically. Realistic acceptance can be characterized by looking at aspects of weaknesses, as well as the advantages of self objectively. Conversely, self-acceptance is not realistic characterized by efforts to overestimate oneself, try to reject one's own weaknesses, deny or avoid things that are bad from within, for example past traumatic experiences. Because the individual's acceptance of himself is very dependent on the extent to which the individual likes him, and the stability of the self concept in that individual. According to Riwayati (2010), individuals who have a stable self concept will see themselves from time constantly, and not easily change.

Unstable self-concept, that is, individuals who at a certain time see themselves positively, and at other times negatively will fail to get a clear picture of who they should be.

**Adaptation in accepting** According to the researcher, the adaptation of the client in accepting his situation depends on the extent to which the individual understands and accepts the shortcomings and strengths in his life. Self-acceptance according to Helmi (M. Ridha, 2012), is the extent to which one can realize and recognize personal characteristics, and use it in living his life. Self-acceptance attitude is shown by someone's recognition of their strengths, while accepting their weaknesses without blaming others, and having a continuous desire to develop themselves. Individuals who have self-acceptance, will be better able to adjust emotional conditions to the reality they face, have confidence in their abilities, see themselves as individuals who are valuable, responsible, opinionated, and able to accept the advantages and limitations they have (Anastri, 2011).

**New role** The role that meets the needs and in accordance with the ideal self that has been determined, can create or build good self-esteem of the individual (Stuart, 2016). In this study the client experienced a change of role, because the client could not work as before, so the client only helped his house needs, whereas according to Sunaryo (2013), the role of self is a pattern of behavior, attitudes, values and aspirations expected from an individual in society. then if the individual cannot act as determined, it certainly will have a negative impact on his concept.

**The main caregiver** In this study, the client really needs a caregiver because the client really needs help to carry out his activities, so someone needs to take care of him and always beside him, because a caregiver must have commitment to the patient, the commitment is responsible, making patients a priority, always there to patients and provide support and confidence in love. But not only in terms of activity, according to Nanda (2014), some caregivers help participants meet their physiological needs, are safe and have spiritual needs, in addition caregivers also assist patients to seek treatment, facilitate the process of using drugs and caregivers are involved, and some caregiver facilitates patients to perform ablution when they want to pray.

**Social environment** Social support in this study is very important and most people support the current state of the client, and are aware of the client's condition, according to Rohayati (2011) which states that the environment can affect one's confidence. According to Ermayanti and Abdullah (2011), if individuals get high emotional support, individuals will feel they get a high boost from family members. Therefore, social support for post hernia surgery clients is very important to maintain his self-concept.

#### 4. CONCLUSION

1. The impact of hernia surgery is a change in activity, physical changes, changes in sexual patterns and disruption of the fulfillment of ideal self.

2. The process of adaptation experienced by patients with post hernia surgery is the response process of acceptance, adaptation of the process of acceptance and response of new roles.

3. Support the system needed by hernia patients to accept changes, namely the primary caregiver and acceptance of the social environment.

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#### ETHICAL CLEARANCE

This research was passed the ethical test by the ethics team of the research and community service institution (LPPM) STIKES Muhammadiyah Gombong as evidenced by issuing a certificate passed the research ethic No.211.6 / IV.3.AU / F / ETIK / IV / 2018 dated 16th April 2018. The Anonymity, confidentiality, justice and beneficence applied to this research. The Informed consent was given to the participant before they participate this research. The participant were ensured for their participating in this research, which there was no any harm and consequences regarding the researcher.

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