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# Proceedings of the 2nd Tarumanagara International Conference on the Applications of Social Sciences and Humanities (TICASH 2020)

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# Proceedings of the 2nd Tarumanagara International Conference on the Applications of Social Sciences and Humanities (TICASH 2020)

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On behalf of the organizing committee of the 2nd TICASH 2020, I would like to welcome all to this event with great pleasure. The 2nd TICASH 2020 has attracted many academicians, scientists, engineers, postgraduates and other professionals from many countries. The aim of the conference is to promote exchange of ideas among researchers and scientists active in the related areas of social science and humanity. It presents a high-level international forum to introduce, to exchange and to discuss recent advances, new applications in the field of Social Sciences and Humanities.

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# **Proceedings of the 2nd Tarumanagara International Conference on the Applications of Social Sciences and Humanities (TICASH 2020)**

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Jakarta, Indonesia  
3-4 August 2020

**Editors:**

**Teaoh Ai Ping  
Hetty Karunia Tunjungsari  
Wulan Purnama Sari**

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## WELCOME MESSAGE

### BY CHAIRMAN OF THE 2<sup>ND</sup> TICASH 2020

On behalf of the organizing committee of the 2<sup>nd</sup> TICASH 2020, I would like to welcome all delegates to attend this event online with great pleasure. In the concern of COVID-19 pandemic, this international conference is being held online from August 3-4, 2020 from Campus I- Jl. Letjen S. Parman No. 1, Jakarta. The 2<sup>nd</sup> TICASH 2020 is organized by Universitas Tarumanagara and technically sponsored by Atlantis Press.

The 2<sup>nd</sup> TICASH 2020 has attracted many academicians, scientists, engineers, postgraduates and other professionals from many countries. The aim of the conference is to promote exchange of ideas among researchers and scientists active in the related areas of social science and humanity. It presents a high-level international forum to introduce, to exchange and to discuss recent advances, new applications in the field of Social Sciences and Humanities.

Our special thank goes to our Rector, Prof. Dr. Agustinus Purna Irawan, who has initiate this international conference, to our Plenary Speakers, Prof. Ir. Dr. Lee Sze Wei from Tunku Abdul Rahman University College, Malaysia, and Prof. Dr. Ir. Tresna P. Soemardi, S.E., M.S. from Universitas Indonesia, Indonesia, and Prof. Marco M. Polo, from De La Salle University-Dasmariñas, Philippine. We would like also to thank our partner international and national Universities in contributing and participating in this international conference.

To all individuals and organizations such as the members of international editorial board, the conference organizers, the reviewers and the authors, for their contribution in making the 2<sup>nd</sup> TICASH 2020 as a successful international conference and a memorable gathering event. I am also grateful for the support of publication service of Atlantis Press. We hope that the conference could present you wonderful memories to bring home in addition to new insights and friendship congregated during the event.

We truly value your participation and support for the conference. We hope that you will gather many experiences and benefits from this event.

**Dr. Hugeng, S.T., M.T. (SMIEEE)**

**CHAIRMAN OF THE 2<sup>ND</sup> TICASH 2020**

## FOREWORDS

### BY RECTOR OF UNIVERSITAS TARUMANAGARA

Dear our Distinguished guests, ladies and gentlemen,

It is such a great pleasure for me to welcome all the participants to the Tarumanagara International Conference on the Applications of Social Sciences and Humanities (TICASH) 2020. It is the second international conference which is organized by Universitas Tarumanagara in the field of social science and humanities whose proceedings will be indexed by Web of Science. With the success of this first and second TICASH, I hope this event would be held annually. I am very thankful that TICASH 2020 is supported by our partner international and national Universities in contributing and participating in this international conference.

As we all know, the goal of this conference is to provide a forum that facilitates the exchange of knowledge and experience of both practitioners and academics in the fields of the applications of social sciences and humanities. Under these circumstances, they can mutually share their findings. Besides, the topic itself, which is about the Implementation of Research Results on **Social Sciences and Humanities in Urban Ecology for People's Prosperity**, is extremely interesting. I can agree with the conference committee that a little thing has been done to provide comprehensive understanding of the importance of social sciences and humanities to support people's prosperity.

I would like to take this opportunity to extend my appreciation to the following institutions. Firstly, this year's conference becomes special due to the support from our Plenary Speakers, Prof. Ir. Dr. Lee Sze Wei from Tunku Abdul Rahman University College, Malaysia, and Prof. Dr. Ir. Tresna P. Soemardi, S.E., M.S. from Universitas Indonesia, Indonesia, and Prof. Marco M. Polo, from De La Salle University-Dasmariñas, Philippine. We are thankful for your wonderful cooperation.

I would also sincerely say thanks to the organizing committee for their commitment, hard work and dedication, making this internationally reputable conference successfully realizable.

Finally, I would like to express my gratitude for the presence of distinguished speakers, authors, reviewers, and a number of active participants from several countries. I wish you all a wonderful and great conference. Thank you.

**Prof. Dr. Ir. Agustinus Purna Irawan, S.T., M.T., I.P.M., ASEAN Eng.**  
**RECTOR OF UNIVERSITAS TARUMANAGARA**

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## 4. TOPIC AREA

The conference will bring together leading researchers, engineers and scientists in the domain of interest from around the world. Topics of interest for submission include, but are not limited to:

Accounting	Energy, Environment, Sustainable Development
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Arbitration and Alternative Dispute Resolution	Environmental studies
Art, Design & Humanities	E-Society and Online Communities
Behavioral and Psychological Sciences	Finance
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Business Information Systems	Health Issues and Services
Business, Economics, Management and Marketing	Intellectual Property Rights
Business, Finance and Tourism Management	International Law
Business Law	Psychology
Creative Culture for Making Indonesia 4.0	Real Estate Law
Creative Problem Solver in Industry 4.0	Social Network Analysis
Cognitive, Psychological and Behavioral Sciences	Social-Psychological, Social, Organizational, and Technological Systems
Communication and Information Technologies in Social Sciences	Sustainable Development
Computational Methods in Social Science	Sustainable Economic Development
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Criminal Law	Sustainable Urban Transport and Environment
Data mining in Social Science	Technology and Education
Economics, Financial and Industrial Systems	Transportation Law
Economics, Markets and Systems	Urban and Regional Planning
Education and Information Technologies	Urban Art & Design
Education Science and Technology	Urban Studies
Energy, Environment, Sustainable Development	Mathematical Modeling in Social Science
Environmental Law	Media, and Communications Technology
Environmental studies	Law and Justice
E-Society and Online Communities	

# The Application 'Life of Grace' Theme Concept in St. Peter & Paul Church Jakarta Interior Design

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## ABSTRACT

The most appropriate means of building a means of worship. Catholicism is one of the most recognized religions in Indonesia with the third largest population. The church is a Christian building of worship that hosts spiritual activities for his congregation. Many people born as Catholicism do not compensate for the existing church capacity. So many churches that exceed the capacity of people who worship and visitors become less comfortable when praying. The concept that is brought also modern, natural and holy so that the people focus and comfortable when praying. The addition of technology to the church interior design is also put into attracting millennials. As such, the application of RGB light at church Ceiling to add ambience at Mass and Video Mapping at the priest's orphanage. The addition of capacity for the people is also the main thing by redesigning the people's seats to be more comfortable and ergonomic.

**Keywords:** Church, Holy, Interior Design, Holy, Life

## 1. INTRODUCTION

Man is God's most perfect creature. In man there are 2 essential needs in life, namely temporal and spiritual. This temporal need is all sorts of needs related to human body both the health aspect and the appearance of one. While the meaning of spiritual needs is all kinds of human needs related to the problem of its efficacy. Indonesia is the most religious country in the world. In living life, we still always communicate with the creator. The most appropriate means of building a means of worship. Catholicism is one of the most recognized religions in Indonesia with the third largest population. For Catholics, there is a means of worship in communicating with the creator of the church. The church is a Christian building of worship that hosts spiritual activities for his congregation [1].

The problems of the Church of St. Peter and Paul, especially Catholic Christians, are the growing number of people from year to year. So that the capacity of the people of the church must be increasingly reproduced. In addition, technological advances make it easy to worship outside the church [2]. So many youngsters to adulthood switch to worship virtually.

The purpose of this design for (1) Attracting all the people can worship in a comfortable place, (2) creating where the activities of worship can be done effectively and comfortably, and (3) the advancement of technology in the concept of design according to the character of the user

At the Interior planning of St. Peter's & Paul Church in Jakarta, the method used is a qualitative method which performs the process of collecting data in the form of literary studies and also direct observation to the field for the design process materials of the church.

The other method used is the method of analysis in which the analysis is conducted to determine the concept of the design of the Church of St. Peter and Paul in Jakarta. In the process of designing phase, which is done is (1) Programming, data collection about St. Peter and Paul Church and analysis and preparation of programs (2) Schematic design (3) Development design, drawing layout and also Site plan (4) Construction drawings, work drawings which consist of layout, pieces, ceiling plan and floor plan. (5) Presentation images consisting of layouts, cuts, perspectives, material and color schemes, furniture schemes, as well as axonometry.

### 1.1. Related Work

According to the final thesis work of Tarumanagara University Faculty of Art and Design in 2019, We conclude from Angellisia's work entitled Grow in Grace, Angellisia explained that the concept of Grow in Grace is the salvation that God has given to her people. Therefore, The aims to re-develop the concept of the church into Life of Grace.

### 1.2. Our Contribution

Our contribution wants to create a church that applied technological advances in design concepts to make the church attract people in worship especially millennials group and redesign church facilities that pay attention to disability's users.

### 1.3. Paper Structure

The rest of the paper is organized as follows. Section 1 introduces the preliminaries used in this paper, which include a catholic background, a church background, The problems of the Church to the purpose of designing a church. Section 2 starting with collecting data and problems in the Church, then looking for the right solution, in the end the concept of life of grace is created. Finally, section 3 explains the results and conclusions for the church so that the church can be an example for other churches.

## 2. BACKGROUND

Through the process of data collection and observation of the Church of St. Peter and Paul, Church only fulfill church activities. But church needs and facilities have not been fulfilled.

But as time goes by, the quality of the materials and lamps used to increase the usage period. In addition, there are several points where the church does not respect facilities for users with disabilities [3].



Figure 1. Panti Umat View  
(by Vincent Liputra, 2020)



Figure 2. Panti Imam View  
(by Vincent Liputra, 2020)

The increasing number of people also need to redesign the seat of the congregation and the proper circulation. As well, technological advances need to be applied to the church to make millennial people interested in worship. For that, there

are some rooms and special facilities that are redesigned in order to solve the problems of the church namely, the Imam orphanage, the People's Orphanage and the Maria cave. The Imam orphanage is the main focus of the time when praying session [4].



Figure 3. Panti Umat View  
(by Vincent Liputra, 2020)

The people's orphanage is also the most important area in the church. This area is an area where people/visitors who want to pray will be seated in this area. In this design, disability is also the main focus in designing this church. In addition [5], Goa Maria is an area of church support facilities. This Area serves as a people who want to pray for The Mother of Mary [6].

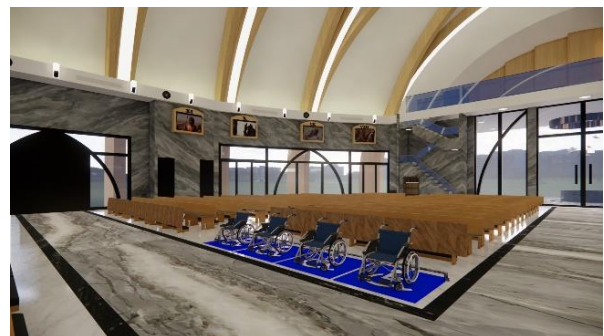


Figure 4. Disability Area  
(by Vincent Liputra, 2020)



Figure 5. Panti Umat View  
(by Vincent Liputra, 2020)



Figure 6. Goa Maria View  
(Vincent Liputra, 2020)

Here is a layout that has been designed to meet the needs and room facilities of St. Peter & Paul Church.

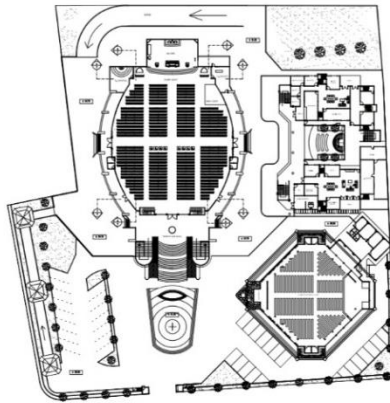


Figure 7. Church Layout 1<sup>st</sup> Floor  
(Vincent Liputra, 2020)

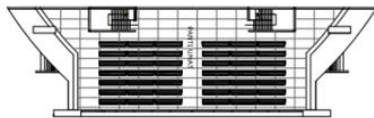


Figure 8. Church Layout 2<sup>nd</sup> Floor  
(Vincent Liputra, 2020)

### 3. RESULT AND CONCLUSIONS

Interior planning St. Peter's Church & Paul in Jakarta needs a review on the activities and users who worship. In addition, the church also needs to analyse more details of program activities and facilities required in the church. This producing a good function of the church is not from visual, but it gives comfort to the time of the people of worship. The capacity of people should also be observed as the people born in the Catholic religion. But what matters most is the needs and facilities in the church to be noted also according to the activities that exist in the church.

### ACKNOWLEDGMENT

The writer Vincent Liputra would like to thank Parents, as the family who provide support for the process of making the final project, Mr. Adi Ismanto and Mrs. Silvia Meliana for the guidance and support. Data sources from staff and management Alta Integra consultant, Interior Design Student as friend and all the parties who have been helpful and also advise on the writing of this journal.

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# Tarumanagara International Conference on the Applications of Social Sciences & Humanities

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Universitas Tarumanagara | August 3<sup>RD</sup> - 4<sup>TH</sup>, 2020

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