

Premarital Counseling: Opportunities and Challenges in Industrial Revolution 4.0 Era

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Abstract-*The influence of the 4.0 Industrial Revolution has a devastating impact on the life changing of social and cultural societies. The change in the presence of the 4.0 Industrial Revolution does present new employment but at the same time there is a work that is threatened by machines, artificial intelligence and robots due to the proliferation of computers and automation of recording in All fields. The effect of accelerating the technology of this industry. It change scope of community life and the family sphere in the particular part, in the family Also Occurs a change of communication patterns that initially the family communication. In advance, it is replaced by a more instant method, sometimes it can eliminate harmony within the family. Preventive Efforts can be through premarital counseling. Premarital counseling was previously developed from personally relationship; the fore must adapt to changes in information technology, either with regard to service content or with regard to service methods and media. It may give guidance counselors virtually counseling or use the Skype application and the E-module as a counseling material. This article uses a library research that discusses matters Relating to the importance of pre-marital counseling in preparation in the development of happy family formation associated with the possibility of content, media and methods following the development of information technology in the 4.0 revolution era. Either with regard to service content or with regard to service methods and media. It may give guidance counselors virtually counseling or use the Skype application and the E-module as a counseling material.*

Keywords: Industrial Revolution 4.0, premarital counseling, Virtual Counseling

I. INTRODUCTION

The desire to get married arises because of the high urge to build a happy family (Anisaningtyas & Astuti, 1970), In reality, there are a couple bride syndrome or worries about what will happen in a marriage, so they need to obtain guidance on the things that will happen in a marriage, in order to concerns occurring within marriage can be minimized. In this case, there are also those who feel hesitant to enter the gates of marriage (Mubasyaroh, 2017).

Marriage is the beginning of the process of the formation of a household that its survival depends on the readiness, maturity and mental quality. To achieve a happy marriage preparation is needed from both the male and the female. Therefore, both men and women must be thoroughly prepared and mature by both physically and psychologically to perform marriages (Yusuf & Daharnis, 2013).

In order to realize a harmonious family needed a strong understanding of the family members, especially the husband and wife (Iskandar, 2017; Afdal,2014) The harmony of the wedding is the requirement to realize the functions of the family. This is because it has a harmonious marriage is the desire of every couple to get married in their household. Harmonious household can maintain eternal love partner until the end of their lives.

Despite the harmonious marriage is not likely to be realized, it still requires a great effort and understanding of one another in order to avoid divorce (Samad, Remiswal, Kenedi, & Mustqim, 2016). The causes of divorce are because couples do not have offspring; marriages are carried out remotely (long distance); husbands do not support and rarely go home; domestic violence (domestic violence); the family economy is not yet solid; economic disparity between husband and wife, wife's income is much higher than husbands; and women who are not willing to have sex (Prianto Wulandari, & Rahmawati, 2013).

II. METHOD

This paper uses library research methods to limit activities to library collection materials without the need for field research. Various types of print media (books, magazines, newspapers etc.) documents, or non-print can be stored in the library. Then collected by using a catalog, or other forms of collection. The collection has been classified based on knowledge groups in various disciplines (Khatibah, 2011). In this study the author will focus on obtaining information and other theoretical data from literature materials in the form of notes during lectures, reference books, articles from various mass media and other sources obtained are used as a reference which is closely related to the issues to be discussed.

III. DISCUSSION

Premarital counseling

Premarital counseling known as "premarital education", "educative premarital counseling", "premarital therapy", and "marriage preparation program". Premarital counseling is a process of counseling provided to prospective couples to get to know, understand and accept that they are ready inwardly and outwardly before deciding to pursue a marriage. In the process to know, understand and accept this not only involves the couple alone. However, this relationship will involve the two large families of potential partners (Triningtyas et al., 2017).

Premarital preparation programs in Indonesia merely a religious debriefing conducted by the prince at Religious Affairs Office (*Kantor Urusan Agama---KUA*). Premarital preparation is done with a lecture that lasted for approximately one hour during the first meetings. This duration is certainly not enough to set up a partner with the skills needed to deal with marriage (Fitriana & Listiyandini, 2015).

Interest premarital counseling for teens or the bride and groom can take proper and correct decision based on the information obtained. Consulting services, is an aid in gaining insight, understanding, and ways need to be implemented in handling the conditions and or problems faced by teenagers or brides who want to prepare for the wedding (Triningtyas et al., 2017). The realization of domestic harmony and disharmony anywhere not only involved a single variable, but many also take part in it as a psychological, social, and economic. Psychologically, the experience during the process of development of the individual has some effect on the concept of marriage. The development of everyone from the prenatal, infancy, childhood, adolescence, adulthood, to old age gives a different meaning to the concept of marriage (Samad et al., 2016; Afdal, 2014; Afdal, 2015).

The Industrial Revolution 4.0

The term "Industrie 4.0" is used for the next industrial revolution - which will take place today. The industrial revolution was preceded by three other industrial revolution in the history of mankind. The first industrial revolution was the introduction of mechanized production facility that began in the second half of the 18th century and intensified throughout the 19th century. Since the 1870s, electrification and the division of labor (ie Taylorism) lead to the second industrial revolution. The third industrial revolution, also called "digital revolution," occurred around 1970, when the electronic and advanced information technology to develop automation of production processes.

The term "Industrie 4.0" became known publicly in 2011, when an initiative named "Industrie 4.0" association representatives from business, politics, and academia - to promote the idea as an approach to strengthen the competitiveness of German manufacturing industry. The German federal government supports the idea that by announcing that the Industry 4.0 will be an integral part of the initiative "2020 High-Tech Strategy for Germany," which aims to lead the technological innovation. Industrie Working Group 4.0, which later formed first and then develop recommendations for implementation, which was published in April 2013 Kagermann describes their vision of Industrie 4.0 as follows:

"In the future, businesses will build their global network that combines machining, warehousing systems and production facilities in the form of Cyber-Physical Systems (CPS). According to (Kagermann, Wahlster, and Helbig, 2013)that Industry 4.0 is the integration of Cyber Physical Systems (CPS) and the Internet of Things and Services (IOT and iOS) into the process industries, including manufacturing and logistics as well as other processes. CPS is a technology to combine the real world with the virtual world. In a manufacturing environment, Cyber-Physical

This facilitates a fundamental improvement in the industrial processes involved in the manufacture, engineering, use of materials and supply chain and life cycle management. Smart factory that has begun to emerge uses a completely new approach to production. Smart product can be uniquely identified, can be found at any time and know their own history, current status and an alternative route to reach their target state. Embedded vertical manufacturing system with a network of business processes within the plant and enterprise and connected horizontally distributed value networks that can be managed in real time - from the moment an order is placed until the logistics out. In addition, both allow and require end to end engineering across the value chain embedded vertical manufacturing system with a network of business processes within the plant and enterprise and connected horizontally distributed value networks that can be managed in real time - from the moment an order is placed until the logistics out. In addition, both allow and require end to end engineering across the value chain embedded vertical manufacturing system with a network of business processes within the plant and enterprise and connected horizontally distributed value networks that can be managed in real time - from the moment an order is placed until the logistics out. In addition, both allow and require end to end engineering across the value chain (Du, Luo, Huang, & Su, 2018),

Industry 4.0 focuses on the formation of intelligence products and production processes. In the future manufacturing, factories must address the need for rapid product development, the production of flexible and complex environment (Brettel, Friederichsen, Keller, & Rosenberg, 2014), Industrial communication systems evolved long with a lot of influence of technology from abroad, the actual automation domain. The basic requirements always remain unchanged: to exchange information about industrial processes in a way that is timely, reliable, and may be uniform. The absence of optimal technology to meet these goals inspires engineers and stimulates many diverse solutions and is not compatible, and calls for an integrated approach heard but not heeded. Even when the technology base shifted to ICT standards, solutions remained and even worsened (Bingham, 1937).

The discovery of the new technology has been guarding the industrial development of the early adoption of the mechanical system, to support the production process, up to highly automated assembly line at the moment, be responsive and adaptive to the needs and demands of today's dynamic market. Under the concept of Industry 4.0, the tremendous growth in the advancement and adoption of information technology and social media networks has increasingly been influencing consumer perception of product innovation, quality, variety and speed of delivery. This requires the establishment of a factory with the ability of self-awareness, self-prediction, comparison of self, self-reconfiguration, and maintenance themselves. Accompanied with this new technology, the two types of innovative development received more attention by academia and industry: innovation and big data services industry (Lee, Kao, & Yang, 2014), IT trends and unmet needs that accompany the upcoming era of Industry 4.0 have been presented here. This includes servitisasi manufacturer, which change the value proposition of the manufacturer, and big data industry, which makes an analytic manufacturers is more important than in the past decade. To maintain this trend, the systematic framework proposed for the engine's own self-conscious and well maintained.

This framework includes the concept of cyber-physical systems, and decision supports systems. Recently, case studies have been presented to demonstrate the feasibility of the proposed work (Lee et al., 2014), People wants to improve the quality of life that is progressive. Industry has come forward to compensate for such requirements. Now, he has undergone three stages of a revolutionary; that is, three of the industrial revolution. This industry can continue to raise the standard of people's lives by providing customized products and high quality to consumers and to prepare a better working environment for employees (Wang, Wan Li, & Zhang, 2016).

With the future of the project "Industry 4.0," which is a central element of the strategy of high technology / innovation of the Federal Government, the computerized classical industry, such as, in the production engineering. "On the way to the Internet of Things, merging the virtual with the physical world to the cyber-physical systems and the convergence of technical processes generated by business processes will bring production sites in Germany into a new era (R, Hartmann & Herausgeber, 2014), The generat was born in the year 1960-70-80an, is the generation that experienced a technological leap that so surprising in this century; most of us have ever enjoyed a kerosene lamp and lamp oil, while enjoying the light bulb, fluorescent lamp, until the LED. The generation that once enjoyed the noisy sound of the typewriter, while currently we are still nimble fingers enjoyed the keyboard of a laptop. This is the last generation that records songs from the radio with a tape recorder, while also enjoying easy downloading songs from the gadget.

The generation that always pounding awaiting the results of the photo print washing, what kind of snapshot results and accept it with a sense of upright even if the results are ugly and blurry. The last generation was ever so expect the arrival of Officer Post to deliver mail or postal orders. The generation that imitates the figure of the teacher, obey, and respect the teacher (Hart, Warburton, and Westera, 2019).

Premarital Counseling Future in Revolution Era 4.0

Social media can create positive reactions in individuals, such as gain critical insights through content shared by others, met with other individuals with similar interests, get new things to develop themselves, as well as other positive things. However, social media can also interfere with the individual conditions of everyday life, especially conditions associated with the psychological aspects of the individual. Various problems that arise out of social media require the counselor to be responsive to developments in information technology is expected to have the insights, knowledge, values and attitudes that can be used as the proper reference in handling clients with cases of the influence of information technology (Ardi & Sukmawati, 2017; Afdal, et.al., 2019).

The purpose of this study was to determine the efficacy of short-term weight-loss program is self-directed the Internet compared with the same program comes with good behavioral counseling from a system designed to automatically computer or from human counselors (Tate DF, Jackvony EH, & Wing RR, 2006), New finding from this study e-counseling was associated with an increased motivation to adhere to exercise and diet in patients with hypertension, independent of psychological stress and depression symptoms.

Given the observed inverse association between psychological distress and self-reported practice after the intervention, a priority for future research is to determine whether the e-counseling for lifestyle and stress reduction offers the advantage of therapy for blood pressure control (Durrani, Irvine, and Nolan, 2012). This review provides tentative support for the efficacy of counseling and individual therapy synchronous online chat. The current evidence, however, is based on much studies effectiveness in naturalistic settings, and not enough to draw definite conclusions. More research is needed, and RCT will be a welcome addition. There is an urgent need for a thorough investigation of the effectiveness of various types of therapeutic interventions delivered through an online modality for the rapid implementation of these approaches (Dowling & Rickwood, 2013).

IV. CONCLUSION

Preparing for the wedding couple who understands the nature of marriage can through premarital counseling. In accordance with the development of the 4.0 revolutionary era, counselor should always be updated with the development of means of communication at this time, premarital counseling were initially conducted personally now can be via e-counseling by using email, online chat, video calls, Skype and others to facilitate client consultation to alleviate the problem.

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