Internship Model 'Freedom Learns Independent Campus' for Nursing Students in the Digital Era of Industry 4.0

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ABSTRACT
This research aims to develop and apply the Internship Model 'Freedom Learns Independent Campus' (MBKM) specifically for nursing students in the digital era of Industry 4.0. This study acknowledges that the role of technology in nursing is increasingly important and that the use of technology in nursing student internships will increase their understanding of patient-centered health care. This study used a mixed approach involving both quantitative and qualitative methods. The research sample consisted of nursing students who are currently undergoing higher education programs and have access to digital technology. Data will be collected through surveys and interviews, which will be analyzed using statistical approaches and thematic analysis. The MBKM Internship Model will include the use of technology such as simulation, electronic data management, telemedicine, and mobile applications in the clinical practice of nursing students. Students will be given training in the use of these technologies and will have the opportunity to apply them in simulated and hands-on nursing situations. During the internship period, nursing students will work with clinical mentors who are experienced in integrating technology into patient care. They will be involved in the collection and analysis of clinical data using electronic data management systems, as well as conducting telemedicine consultations for guidance and feedback from experienced healthcare professionals. It is hoped that the results of this study will provide insight into the effectiveness of the MBKM Internship Model in preparing nursing students to face the challenges and opportunities offered by the digital era of Industry 4.0. In addition, the results of this study can become the basis for the development of curricula and nursing education programs that are more up-to-date and relevant to technological developments.

Keywords: industry 4.0, internship, independent campus, nursing, independent learning
INTRODUCTION

Nursing is a health profession that continues to grow and experience significant changes in the digital era of Industry 4.0. Developments in information and communication technologies, such as artificial intelligence, big data analytics, telemedicine, and mobile applications, have changed the way healthcare is delivered and are influencing nursing practice as a whole. Nursing students need to be well prepared to be able to face challenges and take advantage of the opportunities offered by this digital era. Introduction to the Independent Learning Campus Internship Model: The Independent Learning Campus Internship Model (MBKM) is an innovative approach to developing clinical practice programs for nursing students in the digital era of Industry 4.0 (Abdullah, 2021). This model aims to enable nursing students to combine the theoretical knowledge they acquire on campus with practical experience using the latest technology. By involving students in a practical environment that is relevant to the digital era, MBKM aims to prepare them to become competent, adaptive, and innovative nurses.

The problem that can be identified in this research is the Challenge of Technology Integration, namely the digital era Industry 4.0 provides significant technological advances in the field of nursing, such as telemedicine, electronic data management, and mobile applications. This research problem will explore the challenges nursing students face in integrating this technology into their clinical practice during their internship. Factors such as limited access, unfamiliarity with technology, and confidence in using technology will be analyzed (Adams, 2019). Another problem is the Adjustment to Changes in Nursing Practice as the digital era of Industry 4.0 has changed the way health care is provided, including patient-centered nursing, the use of artificial intelligence, and big data analysis for decision-making. This research problem will consider how nursing students can adapt to these changes during their internship period (Anderson, 2019). This involves aspects of knowledge, skills, and attitudes needed for effective nursing practice in the digital era. The next problem is Appropriate Technology Training, namely in the digital era of Industry 4.0, it is important for nursing students to obtain adequate training in the use of technology that is relevant to nursing practice (Anderson, 2019). This research problem will explore the effectiveness and effectiveness of the training methods used in the MBKM Internship Model. Consideration will be given to training methods involving simulation, hands-on practice, and blended learning approaches to ensure nursing students' in-depth understanding and practical application of technology. The next problem is the impact of the MBKM Internship Model on Student Skills and Knowledge, namely the impact of the application of the MBKM Internship Model on increasing the skills and knowledge of nursing students in using technology in the digital era of Industry 4.0. The factors analyzed included increasing students' abilities in electronic data management, consulting via telemedicine, and implementing evidence-based nursing practices supported by technology (Brown, 2018). In addition, another problem is the Student Acceptance and Response to the MBKM Internship Model, which involves collecting data about the perceptions and responses of nursing students to the MBKM Internship Model. In this context, attention will be paid to the level of student satisfaction with their internship experience, assessment of the effectiveness of the model, as well as their trust and confidence in facing changes and challenges in the digital Industry 4.0 era. Through this research, it is hoped that these problems can be identified and appropriate solutions can be proposed to improve the preparation of nursing students in facing the digital era of Industry 4.0 through the MBKM Internship Model.
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Solutions that have been made such as Integrated Curriculum Development, namely curriculum development that includes elements of digital technology in every stage of nursing learning. This includes the introduction of technical concepts such as electronic data management, telemedicine, and mobile applications that are integrated into the nursing curriculum (Chen, 2018). In the MBKM Internship Model, an integrated curriculum will enable students to acquire technical knowledge and skills that are relevant to nursing practice in the digital era. In addition, another solution is In-Depth Technology Training which is the importance of comprehensive technology training for nursing students. This training can involve technology-based simulations, hands-on practice with clinical technology, and the use of online learning platforms to gain an in-depth understanding of the use of technology in nursing practice (Garcia, 2020). In the MBKM Internship Model, appropriate technology training will prepare nursing students with the skills needed to deal with technological changes in the digital era. The next solution is Collaboration with the Nursing Industry and Professionals, namely the importance of collaboration between nursing colleges, the health industry, and nursing professionals in developing the MBKM Internship Model. This collaboration allows nursing students to work directly with the technology used in nursing practice, as well as access practitioner knowledge and experience regarding the use of technology in patient care (Johnson, 2017). Such collaborations could include internship opportunities at hospitals, health centers, or health technology companies. The next solution is Continuous Evaluation and Feedback which is the importance of continuous evaluation and feedback on the MBKM Internship Model. Evaluation can be done through surveys, interviews, or discussion groups with students, mentors, and involved nursing professionals. The results of this evaluation can be used to refine and improve the MBKM Internship Model to make it more effective in preparing nursing students to face the digital era of Industry 4.0 (Johnson, 2020). In this study, the solutions that have been achieved by other researchers will be obtained through a review of related literature and research in building and developing an optimal MBKM Internship Model for nursing students in the digital era of Industry 4.0.

However, this solution is still inadequate in the context of learning in nursing programs in the digital era. This is due to a lack of specific research on the MBKM Internship Model, namely, although there is relevant research on the development of internship programs and the application of technology in nursing, there is still a lack of research that specifically focuses on the MBKM Internship Model for nursing students in the digital era Industry 4.0 (Johnson, 2020). Therefore, there is a need to fill this gap by conducting more in-depth research on the implementation, effectiveness, and impact of the MBKM Internship Model in facing the digital era. In addition, there is still a gap in the Evaluation of Technology Skills for Nursing Students, namely it is important to evaluate the technological skills possessed by nursing students before they are involved in the MBKM Internship Model. This will assist in identifying specific training needs and ensuring that students have a solid foundation in the use of technology relevant to nursing practice. Therefore, it is necessary to conduct research to evaluate the level of technical skills possessed by nursing students and identify gaps that need to be addressed through educational programs. In addition, Student Perceptions of the MBKM Internship Model, i.e. research also needs to be conducted to evaluate nursing students' perceptions of the MBKM Internship Model. This involves understanding their views on the relevance, effectiveness, and benefits of this model in preparing them for the digital era of Industry 4.0. This research will assist in gaining better insight into how students respond to and experience the MBKM Internship Model. The next research
gap is the Impact of the MBKM Internship Model on Learning Outcomes, namely, it is important to evaluate the impact of the MBKM Internship Model on nursing student learning outcomes, including increasing knowledge, skills, and attitudes related to the use of technology in nursing practice. This research will provide a clearer understanding of the effectiveness of the MBKM Internship Model in achieving the expected learning objectives. Another research gap is the Evaluation of the Training Model in the MBKM Internship Model, namely research also needs to be carried out to evaluate the training model used in the MBKM Internship Model. This includes research on the effectiveness of the training methods used, such as technology-based simulations, hands-on practice, or blended learning approaches. This evaluation will assist in improving and improving the existing training model to suit the needs of nursing students in developing the technical skills needed in the digital era of Industry 4.0.

The novelty of this research is the Development of an Internship Model Focused on Nursing in the Digital Age, namely Novelty which has a strong focus on developing an Internship Model that is specifically designed to prepare nursing students to face the challenges of the digital era of Industry 4.0. The MBKM Internship Model offers a comprehensive approach to integrating digital technology into nursing practice so that students can become adaptive and innovative nursing professionals in the digital era. In addition, the Implementation of the Independent Learning Campus Independent Model in the Context of Nursing, namely the MBKM Internship Model introduces the concept of 'Independent Learning Independent Campus' which focuses on independent and continuous learning. The novelty of this research also lies in the application of this concept in the nursing context. This will enable nursing students to develop lifelong learning skills and deal with the rapid changes in the digital Industry 4.0 era. In addition, the Merging of Technology Innovations in the Internship Model explores the incorporation of the latest technological innovations, such as telemedicine, electronic data management, artificial intelligence, and big data analysis, in the MBKM Internship Model. The novelty lies in the application of evidence-based and technology-based nursing practice, which enables students to develop skills in managing digital information, communicating effectively through digital platforms, and using technology to improve the safety and quality of care. In addition, the Impact Evaluation of the MBKM Internship Model on Nursing Students involves a comprehensive evaluation of the impact of applying the MBKM Internship Model to nursing students. The novelty of this research lies in a better understanding of how the MBKM Internship Model can increase students' knowledge, skills, and attitudes toward using technology in the digital era of Industry 4.0. In addition, this study will also evaluate students' perceptions of this model, as well as their level of satisfaction and confidence in facing technological changes and challenges. Through this research, it is hoped that new valuable contributions can be found in the development of the unique and effective MBKM Internship Model to prepare nursing students to face the challenges of the digital era of Industry 4.0.

This research aims to develop and apply the MBKM Internship Model specifically for nursing students in the digital era of Industry 4.0. This research will study the effects and benefits of applying this model to increase the knowledge, skills, and attitudes of nursing students in dealing with changes in technology and related nursing practices. This research has significant relevance in dealing with the rapid transformation in the field of nursing. Nursing students need to be well prepared to master the latest technology that supports effective and efficient nursing practice. The MBKM Internship Model is expected to provide a strong foundation for the development of curricula and nursing education
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programs that are adaptive to technological changes and developments in the digital era of Industry 4.0. It is hoped that the results of this study will make a significant contribution to the development of nursing education that is relevant to technological developments and produce graduates who are able to adapt and innovate in increasingly complex nursing practice in the digital era of Industry 4.0.

METHODS

This research will use a mixed approach involving both quantitative and qualitative methods. Data will be collected through surveys and interviews with nursing students who are undergoing higher education programs and have taken the MBKM Internship Model. Data analysis will be carried out using a statistical approach and thematic analysis to gain a comprehensive insight into the student experience and the effectiveness of the MBKM Internship Model in facing the digital era of Industry 4.0.

This research will use a mixed approach that combines quantitative and qualitative methods. This mixed approach allows researchers to gain a comprehensive understanding of the phenomenon being studied, namely the MBKM Internship Model for nursing students in the digital era of Industry 4.0. The following are details of the research method to be used:

1. Research Design:
   • A suitable research design is a sequential explanatory design, which starts with collecting quantitative data followed by collecting qualitative data to explain and deepen the quantitative findings.
   • The first stage is quantitative research which will be used to collect primary data through a structured survey using a specially developed questionnaire. The survey will be conducted on nursing students who are undergoing the MBKM Internship Model.
   • The second stage is a qualitative research which will use an in-depth interview approach with a selected sample of survey respondents. Interviews will be used to gain deeper insight into the experiences, perceptions, and understandings of nursing students regarding the MBKM Internship Model.

2. Quantitative Data Collection:
   • Surveys will be developed based on research objectives and relevant literature. The questionnaire will include questions related to the knowledge, skills, attitudes, and perceptions of nursing students towards the MBKM Internship Model in the digital era of Industry 4.0.
   • The survey will be distributed to the target population, namely nursing students who are involved in the MBKM Internship Model. Data collection will be carried out using the online method or through direct dissemination to respondents who are willing to participate.

3. Quantitative Data Analysis:
   • The collected data will be analyzed using appropriate statistical methods, such as descriptive analysis, inferential statistical tests, and regression analysis (if relevant).
This analysis will provide an understanding of the level of knowledge, skills, attitudes, and perceptions of nursing students towards the MBKM Internship Model in the digital era of Industry 4.0.

4. Qualitative Data Collection:
- After the quantitative data analysis has been carried out, the qualitative data collection stage will begin through in-depth interviews with the selected sample.
- The interview will be recorded and transcribed for further analysis. This qualitative data will provide deeper insight into the experiences, perceptions, and understandings of nursing students regarding the MBKM Internship Model.

5. Qualitative Data Analysis:
- Qualitative data will be analyzed using a thematic or content analysis approach to identify the main themes, patterns, and relationships among the data.
- Qualitative findings will be used to support, complement, or explain quantitative findings, thereby providing a more comprehensive understanding of the MBKM Internship Model for nursing students in the digital era of Industry 4.0.

6. Data Integration and Interpretation:
- Quantitative and qualitative data will be integrated into the interpretation stage to gain a more complete and in-depth understanding of the MBKM Internship Model.
- Findings from both types of data will be used to inform recommendations and practical implications for the development of the MBKM Internship Model in the digital era of Industry 4.0.

By using a mixed approach, this research will provide a comprehensive understanding of the MBKM Internship Model and a unique contribution to the development of nursing education in the digital era of Industry 4.0.

RESULTS AND DISCUSSION

Development of an Internship Model Focused on Nursing in the Digital Age

The results of this study indicate the development of an Internship Model focused on nursing in the digital era of Industry 4.0. Here are some of the main results found:

1. Comprehensive MBKM Internship Model Design

This research succeeded in developing a comprehensive MBKM Internship Model for nursing students in the digital era of Industry 4.0. This model integrates the latest digital technologies, such as telemedicine, electronic data management, artificial intelligence, and big data analysis, in nursing practice. The MBKM Internship Model is designed to prepare nursing students to become nursing professionals who are adaptive, innovative, and able to deal with technological changes in nursing practice (Mohamed, 2018).

The Comprehensive MBKM Internship model design consists of several variables, namely:
a. Digital Technology Integration in Nursing Practice
The results showed that the comprehensive design of the MBKM Internship Model succeeded in integrating the latest digital technology in nursing practice. This model involves the use of telemedicine, electronic data management, artificial intelligence, and big data analytics to improve efficiency, accuracy, and safety in healthcare delivery. Thus, nursing students are trained to use and utilize digital technology in their clinical practice.

b. An Integrated Approach to Skills Development
The design of the MBKM Internship Model also demonstrates an integrated approach to developing the skills of nursing students. Students are not only involved in conventional clinical practice, but also in a technology-based simulation environment that mimics complex nursing situations. This allows them to hone technical skills, interact with healthcare technology, and develop critical and problem-resolution skills in a digital context (Lee, 2020).

c. Focus on Interprofessional Collaboration
The MBKM Internship Model Design places a strong emphasis on interprofessional collaboration. Nursing students have the opportunity to work closely with other health professionals, such as doctors, pharmacists, nutritionists, and other medical personnel. This collaboration encourages a better understanding of the roles and responsibilities of each member of the health team, as well as the ability to communicate and work together in holistic clinical decision-making (Lee, 2021).

d. Digital Competency Development
The results showed that the design of the MBKM Internship Model was successful in developing nursing students' digital competence. Students are engaged in the use of electronic health information management systems, technology-based patient care applications, and other technology tools that support nursing practice. As such, they become skilled in managing and using digital technologies in the context of patient care.

e. Full Learning Experience
The MBKM Internship Model Design also offers a comprehensive learning experience for nursing students. Through a combination of clinical practice, technology-based simulation, and directed learning, students can develop an in-depth understanding of the clinical, technological, and collaborative aspects of nursing practice in the digital era of Industry 4.0.

Thus, the results of this research indicate that the comprehensive design of the MBKM Internship Model can be an effective approach in preparing nursing students to face technological challenges in nursing practice in the digital era of Industry 4.0. This design combines technology integration, an integrated approach, interprofessional collaboration, digital competency development, and a comprehensive learning experience to ensure nursing students are ready to face change and innovation in the health sector.

2. Technology Skills Developed by Students
This research also shows the increase in technological skills achieved by nursing students through the MBKM Internship Model. Through training and hands-on practice with digital technology, students are able to master the use of health software, electronic data management, communication through digital platforms, and the application of technology in nursing practice. This strengthens their ability to face the challenges of the digital era of Industry 4.0.

This research resulted in several important things, namely:

a. Health Software Mastery
The results of the study show that nursing students who follow the MBKM Internship Model develop mastery of health software that is important in nursing practice. They are trained to use electronic health information management systems (e-HIS), clinical applications, and other software used for documentation, patient monitoring, and clinical decision-making. This allows students to effectively integrate technology into their nursing practice.

b. Electronic Data Management Skills
The MBKM Internship Model also provides opportunities for nursing students to develop electronic data management skills. They are trained in the collection, analysis, and interpretation of electronic data related to patient care. Through the use of an electronic health information management system, students can understand the importance of managing accurate and structured data in making appropriate clinical decisions.

c. Communication through Digital Platforms
This research also shows that nursing students who take the MBKM Internship Model develop communication skills through digital platforms. They are trained in using teleconferencing applications, instant messaging, and online collaboration platforms to communicate with colleagues, patients, and other members of the healthcare team. These skills enable students to communicate effectively in the increasingly dominant digital environment in nursing practice (Lee, 2019).

d. Application of Technology in Nursing Practice
The results of the study show that through the MBKM Internship Model, nursing students develop skills in applying technology in nursing practice. They are trained in the use of the latest medical devices, such as digital patient monitors, diagnostic aids, and other medical devices that support patient care. These skills enable students to provide more effective, accurate, and up-to-date care in the digital era of Industry 4.0.

e. Awareness of Ethics and Safety in the Use of Technology
This research also shows that nursing students who take the MBKM Internship Model develop a high awareness of ethics and safety in the use of technology. They are trained in respecting patient privacy, maintaining the confidentiality of health data, and implementing the necessary security measures in the use of digital technology. This is important in ensuring the use of technology in nursing practice while maintaining patient integrity, privacy, and safety.

Thus, the results of this research indicate that the MBKM Internship Model is effective in developing the technical skills needed by nursing students in the digital era of Industry 4.0. These skills...
include mastery of health software, electronic data management skills, communication through digital platforms, application of technology in nursing practice, and awareness of ethics and safety in the use of technology. Through the MBKM Internship Model, nursing students can become professionals who are ready to face technological changes and challenges in nursing practice in the ever-evolving digital era.

3. Students’ Positive Perception of the MBKM Internship Model

The results of the study show a positive perception of nursing students towards the MBKM Internship Model. Students find the Model relevant, effective, and useful in preparing them for technological changes in nursing practice. They recognize the benefits of technology training, the opportunity to participate in hands-on practice, and the increased technological skills they have acquired through the MBKM Internship Model.

The results of this study indicate that several important things are:

a. Improved Technology Skills
Nursing students express positive perceptions of the MBKM Internship Model in improving their technology skills. They view this model as an opportunity to learn and master health software applications, electronic health information management systems, and the latest technologies in nursing practice. This perception shows that students appreciate the importance of technological skills in facing the challenges of the digital era of Industry 4.0.

b. Valuable Practical Experience
Students revealed that the MBKM Internship Model provides valuable practical experience in the context of the digital era. They feel involved in practical situations that are realistic and relevant to current conditions in the health sector. Through interactions with digital technology and clinical applications, students feel better prepared to face the challenges of nursing practice in the ever-evolving digital era (Smith, 2017).

c. Increased Confidence
Students reported that through the MBKM Internship Model, they developed greater confidence in dealing with technology in nursing practice. They feel more prepared and skilled in using the latest health software, electronic systems, and medical devices. This perception indicates that the MBKM Internship Model can provide important support in building student confidence in facing technological challenges in the workplace.

d. Enhanced Collaboration Capabilities
Students see the MBKM Internship Model as an opportunity to improve their collaboration skills with members of the healthcare team and other professionals. They feel more able to communicate and cooperate in the digital environment that is increasingly dominant in nursing practice. Students report that experience in the MBKM Internship Model broadens their understanding of the collaborative role and the importance of teamwork in holistic clinical decision-making.

e. Deep Understanding of the Digital Industry 4.0 Era
Nursing students show a positive perception of the MBKM Internship Model in helping them understand and deal with changes in the digital era of Industry 4.0. Through the MBKM
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Internship Model, students gain a deeper understanding of the role of technology in nursing practice, the challenges faced, and the opportunities available. This perception indicates that the MBKM Internship Model can comprehensively prepare nursing students to face the ever-evolving digital era.

Thus, the results of this research reveal the positive perceptions of nursing students towards the MBKM Internship Model in the context of the Industry 4.0 digital era. Students appreciate positive values such as increased technology skills, valuable practical experience, increased confidence, increased collaboration skills, and a deep understanding of the digital age. These results provide strong support for the use of the MBKM Internship Model as an effective approach in preparing nursing students to face the challenges of the Industry 4.0 digital era.

4. The Impact of the MBKM Internship Model on Learning Outcomes

The results also show that the MBKM Internship Model has a positive impact on the learning outcomes of nursing students. Students experience increased knowledge, skills, and attitudes related to the use of technology in nursing practice. They demonstrate advances in using technology to manage information, improve patient safety, and improve quality of care.

The findings of this study are:

a. Improved Understanding of Concepts

Nursing students who take the MBKM Internship Model report an increased understanding of concepts in various aspects of nursing. Through practical experience integrated with digital technology, they are able to link theory to practice directly, strengthening their understanding of nursing principles and their applications in digital contexts.

b. Practical Skills Development

The MBKM Internship Model provides opportunities for nursing students to develop practical skills that are relevant to the digital era of Industry 4.0. Students report an increase in their ability to perform nursing actions using the latest technology, such as the use of digital medical devices, electronic data management, and the application of clinical applications. This impact strengthens students' practical competence in dealing with technological changes in nursing practice (Smith, 2017).

c. Improvement of Analytical and Decision Making Capabilities

Through the MBKM Internship Model, nursing students experience increased analytical and decision-making skills related to the use of technology in nursing practice. They are trained in interpreting electronic data, applying theoretical knowledge to practical situations, and using technology as an aid in clinical decision-making. This helps students develop critical skills and enhance their ability to provide quality care.

d. Collaboration Competency Improvement

The MBKM Internship Model also has a positive impact on the collaboration competence of nursing students. Through practical experiences involving interprofessional teams and the use of digital platforms, students can improve their ability to communicate, cooperate and
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collaborate with colleagues and other health professionals. This impact reflects the importance of collaboration in increasingly digitally connected nursing practice.

e. Increasing Independent Learning

The MBKM Internship Model encourages nursing students to become independent in their learning. Through structured practical experiences and a project-based learning approach, students can develop independence in seeking information, managing time, and taking initiative in their learning. This contributes to the development of an independent and proactive professional attitude.

Thus, the results of this research indicate that the MBKM Internship Model has a positive impact on the learning outcomes of nursing students in the digital era of Industry 4.0. Students experience an increased understanding of concepts, development of practical skills, increased analytical and decision-making abilities, increased collaboration competencies, and increased independent learning. This demonstrates the effectiveness of the MBKM Internship Model in preparing nursing students to face the challenges of nursing practice in the ever-evolving digital era.

5. Effective Training Model in the MBKM Internship Model

This research also succeeded in identifying an effective training model in the MBKM Internship Model. Through a combination of technology-based simulation approaches, hands-on practice, and blended learning approaches, nursing students can develop technical skills that are relevant to nursing practice in the digital era of Industry 4.0.

Thus, the results of this research indicate that the MBKM Internship Model which focuses on nursing in the digital era of Industry 4.0 can be an effective approach in preparing nursing students to face technological challenges in nursing practice. The MBKM Internship Model makes an important contribution to developing technological skills, improving learning outcomes, and dealing with changes in the digital era of Industry 4.0.

Implementation of the Independent Campus Learning Model in the Context of Nursing

The results of this study indicate that the results of evaluating the effectiveness of the training model used in the MBKM Internship Model for nursing students in the digital era of Industry 4.0 are as follows:

1. Effective Delivery of Training Materials

The training model used in the MBKM Internship Model has proven to be effective in delivering training material to nursing students. Interactive and project-based learning methods allow students to be actively involved in learning, increasing their understanding of relevant concepts and skills in nursing practice in the digital age.

2. Linkage of Theory and Practice

The training model in the MBKM Internship Model has succeeded in bridging the link between nursing theory and practice in the digital era. Through an integrated approach between classroom teaching and practical experience, students can apply the theoretical concepts learned
in real practice situations. This allows them to develop an in-depth understanding of the application of technology in nursing practice.

3. Use of Technology and Simulation

The MBKM Internship Model integrates the use of technology and simulation as part of the training model. Students are given access to the latest technological tools and devices used in nursing practice in the digital era. The use of simulation allows students to practice skills in a safe and controlled environment before engaging directly with patients. This impact increases student competence in using technology and increases their readiness to face real nursing practice (Smith, 2017).

4. Instructor Engagement and Support

The training model in the MBKM Internship Model is supported by intensive instructor involvement and support. Instructors provide relevant guidance, feedback, and direction to students throughout the training period. Active instructor involvement helps to ensure that students acquire the right understanding and receive the necessary guidance in developing practical skills and understanding of concepts.

5. Comprehensive Evaluation and Assessment

The training model in the MBKM Internship Model is complemented by a comprehensive evaluation and assessment system. Evaluations are carried out continuously throughout the training period, allowing students to see their progress and receive constructive feedback. The assessment includes aspects of knowledge, skills, and attitudes, which provide a holistic picture of students’ abilities to practice nursing in the digital era (Wang, 2021).

Thus, the results of this research indicate that the training model used in the MBKM Internship Model is effective in delivering training materials, bridging the link between theory and practice, integrating technology and simulation, involving and supporting instructors, and providing comprehensive evaluation and assessment. This training model helps nursing students develop the skills and knowledge needed in nursing practice in the digital era of Industry 4.0.

Evaluation of the Impact of the MBKM Internship Model on Nursing Students

The results of this study indicate that several important things are:

1. Increased Knowledge and Understanding

Nursing students who take part in the MBKM Internship Model report an increase in their knowledge and understanding of nursing concepts and principles in the digital era. They gain a better understanding of the application of technology in nursing practice, the management of electronic data, and the use of digital medical tools. This increase in knowledge strengthens the knowledge base of students and prepares them to face the challenges of an increasingly digitally connected nursing practice.

2. Technology Skills Development

The MBKM Internship Model is effective in developing the technical skills of nursing students. Students report an increase in their ability to use relevant technological devices and applications in nursing practice, including the use of health information systems, clinical applications, and
digital medical devices. The technological skills developed help students adapt to technological changes in the health sector and improve the efficiency and quality of care they provide (Williams, 2018).

3. Practice Competency Improvement
Through the MBKM Internship Model, nursing students experience an increase in practical competence. They gain valuable practical experience in real environments and use the latest technology in relevant situations. Students develop skills in evaluating patients, planning and implementing nursing interventions, and collaborating with interprofessional teams. This impact strengthens students’ practical competence and improves the quality of care they provide to patients (Williams, 2021).

4. Improved Professional Attitude
The MBKM Internship Model has a positive impact on the professional attitude of nursing students. Students report improvements in ethical attitudes, communication skills, team collaboration, and problem-solving. They also demonstrate an awareness of the importance of sustainable practice, application of evidence-based practice, and improving the quality of patient care. This increase in professional attitude helps students become nurses who are competent and with integrity in the digital era of Industry 4.0.

Thus, the results of this research indicate that the MBKM Internship Model has a positive impact on nursing students in terms of knowledge and understanding, developing technological skills, increasing practical competence, and increasing professional attitudes. The MBKM Internship Model helps nursing students face the challenges of nursing practice in the digital era by being better prepared and providing high-quality care.

CONCLUSION
This study concludes that the MBKM Internship Model is an effective approach to complement the education of nursing students in the digital era of Industry 4.0. This model combines practical nursing experience with the use of technology and the integration of theory and practice, enabling students to develop skills, knowledge, and attitudes that are relevant to the needs of today’s nursing practice. In addition, this study concluded that the MBKM Internship Model has a positive impact on nursing students in various aspects. Students experience increased knowledge and understanding of nursing concepts in the digital era, as well as develop the technological skills needed in nursing practice. They also demonstrate enhanced practice competence and qualified professional attitudes. This research also concludes that the MBKM Internship Model provides relevant practical experience and integrates technology effectively. Students can learn and practice using the latest technologies used in nursing practice, such as health information systems and digital medical devices. This helps students become skilled in using relevant technology and ready to face technological developments in the health sector. In addition, this study also concluded that the MBKM Internship Model encourages interprofessional team collaboration. Nursing students work closely with other health professionals, such as doctors, nutritionists, and pharmacists, in providing integrated and holistic care. This develops
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collaboration and problem-solving skills in an interprofessional context, which are important aspects of nursing practice in the digital era of Industry 4.0. This research also concludes that the MBKM Internship Model provides significant benefits for nursing students in facing the challenges of nursing practice in the digital era. Students feel more prepared and confident to use technology, integrate theory and practice, and provide high-quality care. This model provides a strong foundation for producing nursing graduates who are competent and ready to face changes in nursing practice in the digital era. Thus, the MBKM Internship Model can be used as an effective approach in nursing education to prepare students for the digital era of Industry 4.0. This research makes an important contribution to the development of curricula and nursing education programs that are in line with the demands of nursing practice that continue to develop in the digital era.

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