

Innovations in Nail Care Education: Exploring the Benefits of Competency-based Learning Materials for NCII Certification

Rikka Marie C. Largo

JHS Teacher III, Cantabaco National High School, Schools Division of Toledo City, Philippines
<https://orcid.org/0009-0004-6758-7181> | rikkamarie.caballero001@deped.gov.ph

Abstract

This research explores the transformative impact of competency-based learning materials on nail care education, focusing on their integration and benefits for NCII Certification in the Philippines. Employing an integrative literature review methodology, the study synthesizes existing knowledge to offer comprehensive insights into the evolving landscape of beauty care education. The findings underscore that competency-based approaches significantly enhance skill acquisition in nail care education. Through hands-on demonstrations, interactive modules, and simulated scenarios, learners are better equipped with practical skills essential for industry demands. Moreover, a strong correlation emerges between the use of competency-based materials and the alignment of nail care education with industry standards and NCII Certification requirements. This ensures that curricula are dynamic, responsive, and tailored to meet evolving industry demands. The study also reveals the positive impact of competency-based learning materials on student engagement and motivation. Incorporating interactive and learner-centric elements fosters a more engaging educational experience, with gamified features and real-world case studies capturing students' interest. However, challenges in implementation, including limited resources and adapting traditional curricula, pose significant obstacles. Ultimately, this research offers valuable insights for educators, policymakers, and industry stakeholders navigating the complexities of integrating competency-based strategies in nail care education.

Keywords: Competency-based learning, Nail care education, NCII Certification, Beauty care industry

Introduction

In recent years, the beauty care services industry in the Philippines has witnessed a dynamic transformation, driven by advancements in technology and a growing demand for specialized skills (Edralin & Pastrana, 2023). One particular area that has seen significant evolution is Nail Care Education, particularly with the introduction of Competency-Based Learning Materials for

NCII (National Certificate II) Certification. As the industry continues to embrace innovations, it becomes imperative to explore the benefits and implications of adopting competency-based learning approaches in the realm of nail care.

The National Certificate II (NCII) qualification serves as a benchmark for individuals pursuing careers in beauty care services, specifically in Nail Care. This certification, governed by the Technical Education and Skills Development Authority (TESDA) in the Philippines, reflects a commitment to ensuring that professionals in the field are equipped with the essential knowledge and skills to meet industry standards.

The shift towards Competency-Based Learning Materials represents a departure from traditional education models, focusing on the acquisition of specific skills and competencies rather than a mere accumulation of theoretical knowledge. This research aims to delve into the innovations introduced in Nail Care Education, evaluating how competency-based learning materials influence the effectiveness of training programs leading to NCII Certification.

This research lies in the need to understand the impact of innovative pedagogical approaches on the quality of nail care education. The introduction of competency-based learning materials is a strategic response to the evolving demands of the beauty care services industry.

Literature Review

Competency-Based Education (CBE) has gained prominence globally, especially in vocational training programs. Scholars like Knezek et al. (2019) emphasize its effectiveness in fostering hands-on skills and practical knowledge. In the Philippines, the Technical Education and Skills Development Authority (TESDA) has been at the forefront of implementing CBE in various sectors, including beauty care services.

Advantages of Competency-Based Learning in Nail Care

Studies (e.g., UNESCO, 2016) highlight the advantages of CBE, emphasizing its focus on skill mastery and its adaptability to industry needs. In the context of nail care education, competency-based learning materials offer a targeted approach, aligning the curriculum with the specific skills required for NCII Certification (Ypanto, 2022).

Nail care professionals play a crucial role in the beauty services industry. According to Spironelli (2019), the dynamic nature of the beauty industry demands professionals with up-to-date and industry-relevant competencies. Competency-based learning ensures that the skills imparted are directly applicable to the demands of the industry, enhancing employability and career prospects.

One of the key tenets of competency-based learning is its student-centered nature. Reinders and White (2016) emphasize the importance of active engagement and self-directed learning in vocational education. In the context of nail care, this approach can enhance students' motivation and commitment, fostering a deeper understanding of techniques and procedures.

While CBE holds immense promise, researchers such as Taylor and Newton (2013) caution about potential challenges, including the need for robust assessment methods and adequate support structures. In the context of nail care education, it is essential to explore how competency-based approaches address these challenges and ensure a holistic learning experience (Diano Jr, et al., 2023).

Instructor Perspectives on Competency-Based Learning

Instructors are pivotal in the success of competency-based education. Research by Curry and Docherty (2017) underscores the importance of instructor training and support in CBE implementation. Understanding the perspectives of nail care instructors regarding the effectiveness of competency-based learning materials is crucial for refining educational practices.

In the Philippines, studies by Edralin and Pastrana (2023) highlight the evolving landscape of vocational education. The integration of CBE in NCII Certification aligns with the national agenda for human resource development. The unique challenges and opportunities in the Philippine context necessitate a nuanced exploration of how competency-based learning contributes to the growth of the local beauty care services industry (Lumando, et al., 2023).

Assessment is a critical aspect of competency-based education. Doolittle and Hicks (2003) emphasize the need for authentic assessment methods that reflect real-world scenarios. In nail care education, exploring how competency-based assessments align with industry standards and contribute to the certification process is essential for validating the effectiveness of this approach.

Continuous improvement is inherent in the philosophy of competency-based education. Studies by Baker, et al. (2022) advocate for feedback loops that inform curriculum revisions and instructional strategies. In the context of nail care education, understanding how feedback mechanisms operate within the competency-based framework can provide insights into ongoing enhancements.

The literature on competency-based education highlights its potential benefits in vocational training, particularly in the beauty care services sector. The studies discussed underscore the industry relevance, student-centered nature, and the need for robust assessment mechanisms. As the Philippines embraces competency-based learning materials for NCII Certification in Nail Care, it is crucial to consider the unique challenges and opportunities within the local context, ensuring that these innovations contribute effectively to the growth and excellence of the beauty care services industry (Malbas, et al., 2023).

Methodology

The research methodology employed for this study was an Integrative Literature Review, conducted to comprehensively synthesize and analyze existing knowledge in the field of nail care education, particularly focusing on the benefits of competency-based learning materials for NCII Certification. The past tense is used to describe the steps undertaken during the research process.

A systematic literature search was conducted to identify relevant studies, scholarly articles, and reports related to competency-based education in the context of nail care. Databases such as PubMed, JSTOR, and Education Resources Information Center (ERIC) were extensively explored. Keywords included "competency-based learning," "nail care education," and "NCII Certification." The search was not confined to a specific time frame, ensuring a comprehensive overview of historical and contemporary perspectives.

Articles were included based on their relevance to competency-based learning in the field of nail care and its impact on achieving NCII Certification. Studies that explored the effectiveness, challenges, and outcomes of competency-based approaches were prioritized. Non-English language articles and those unrelated to the specific focus of this study were excluded.

Key information, including study objectives, methodologies, findings, and implications, was systematically extracted from the selected literature. The synthesis process involved organizing the information thematically, identifying patterns, and drawing connections between different studies. Concepts such as industry relevance, student-centered learning, and assessment strategies were central to the synthesis process.

The selected literature was critically appraised to assess the methodological rigor and relevance of each study. This process involved evaluating the research design, sample size, data collection methods, and the overall contribution of each study to the overarching research question. High-quality studies were accorded greater weight in the synthesis.

The synthesized literature was subjected to in-depth analysis, allowing for the identification of recurring themes, gaps in existing knowledge, and overarching trends. The analysis provided insights into how competency-based learning materials contribute to the achievement of NCII Certification in nail care education and the broader implications for the industry. To enhance the trustworthiness of the review, the findings were validated through peer discussions, consultations with subject matter experts, and reflexivity exercises. Reflexivity was particularly crucial in acknowledging potential biases and ensuring that the integrative synthesis accurately represented the nuances of the literature.

Findings and Discussion

Enhanced Skill Acquisition through Competency-Based Learning Materials:

The research findings underscore the transformative impact of integrating competency-based learning materials on skill acquisition within the context of nail care education. A salient discovery from this study is the substantial improvement in skill acquisition attributed to the utilization of these innovative educational resources (Kim, et al., 2019). The literature consistently highlights the paramount importance of hands-on, practical skills in the nail care industry, and the incorporation of competency-based materials plays a pivotal role in fortifying this aspect of education.

Competency-based learning materials encompass various elements, including hands-on demonstrations, interactive modules, and simulated scenarios, all of which collectively

contribute to fostering a more immersive and effective learning experience for nail care students (Delos Santos & Briones, 2017). This pedagogical approach aligns seamlessly with the overarching philosophy that competency-based education places a premium on the development of practical skills, ensuring that learners are not only equipped with theoretical knowledge but are also adept at applying this knowledge in real-world scenarios. The integration of such materials thus emerges as a strategic response to the industry's demand for a skilled and proficient workforce (Martinez, et al., 2023).

In the realm of nail care, the hands-on nature of the craft necessitates a learning environment that mirrors the actual workplace intricacies. The immersive quality of competency-based materials ensures that students engage with the learning process in a manner that closely replicates the professional demands they will encounter (Bates & Bates, 2015). This finding echoes the broader sentiment within the literature that competency-based education not only enhances theoretical understanding but, more critically, cultivates a robust set of practical skills that are directly transferable to the workplace.

The integration of competency-based learning materials emerges as a catalyst for heightened skill acquisition in nail care education. This pedagogical innovation not only responds to the industry's emphasis on hands-on expertise but also aligns with the overarching goals of competency-based education, ensuring that learners are not merely knowledgeable but proficient practitioners ready to meet the dynamic demands of the nail care profession. The findings of this study provide valuable insights for educators, policymakers, and stakeholders seeking to enhance the efficacy of nail care education through innovative pedagogical approaches.

Alignment with Industry Standards and NCII Certification Requirements:

The investigation underscores a compelling relationship between the adoption of competency-based learning materials and the alignment of nail care education with industry standards and the stringent requirements of NCII Certification. This correlation emerges as a key finding, shedding light on the transformative impact that competency-based approaches have on ensuring educational programs are in consonance with the dynamic needs of the nail care industry (Ypanto, 2022).

Competency-based learning materials are deliberately crafted to address the specific nuances of the industry, seamlessly incorporating the latest trends, advanced techniques, and the highest health and safety standards (Albanese, et al., 2010). The literature substantiates that such materials play a pivotal role in ensuring that educators can tailor their curricula with precision, aligning each element with the meticulous criteria set forth by NCII Certification. This alignment is crucial in enhancing the overall quality and relevance of nail care education, providing students with a comprehensive and industry-centric learning experience.

Moreover, the use of competency-based learning materials not only facilitates alignment with NCII Certification requirements but also empowers educators to instill a heightened sense of industry responsiveness in their instructional approaches (Henri, et al., 2017). By integrating the latest industry standards into the learning materials, educators can prepare students for the intricacies and expectations they will encounter in the professional realm. This finding accentuates the dynamic nature of competency-based education, positioning it as a strategic

enabler for institutions seeking to elevate their programs to meet and exceed certification benchmarks.

The study's findings illuminate the symbiotic relationship between competency-based learning materials, industry standards, and NCII Certification requirements. The intentional design of these materials serves as a catalyst for educational programs to evolve in tandem with industry advancements, ensuring that students not only meet certification criteria but are also poised to excel in the ever-evolving landscape of nail care. These insights carry implications for educators, curriculum developers, and policymakers striving to enhance the efficacy and relevance of nail care education in alignment with certification standards.

Increased Student Engagement and Motivation:

A significant finding of the study highlights the commendable influence of competency-based learning materials on augmenting student engagement and motivation within the domain of nail care education. This observation resonates with prevailing literature, which consistently accentuates the pivotal role played by interactive and learner-centric materials in cultivating a more immersive and engaging educational milieu (Kerimbayev, et al., 2023).

Competency-based learning materials, often characterized by gamified elements, virtual simulations, and real-world case studies, emerge as potent tools in capturing the interest of students (Adipat, et al., 2021). This engagement subsequently translates into heightened motivation levels, as learners find themselves actively involved in meaningful, hands-on experiences. The incorporation of gamification elements, for instance, introduces an element of competition and achievement, fostering a sense of accomplishment that propels students to remain dedicated to the learning process.

The literature underscores that competency-based approaches inherently prioritize the learner's perspective, offering tailored and interactive content that resonates with their individual needs and preferences (Manire, et al., 2023). This learner-centric design contributes significantly to the observed increase in student engagement and motivation. As students perceive the relevance of the learning materials to their future professional roles, they are more likely to invest time and effort into mastering the skills and knowledge presented (Kilag, et al., 2023).

The incorporation of interactive and gamified elements not only enhances the learning experience but also fosters a positive and motivational environment conducive to optimal skill acquisition and knowledge retention. These insights bear implications for educators and instructional designers seeking to elevate the effectiveness of nail care education by leveraging innovative and engaging pedagogical strategies.

Challenges in Implementation and Resource Adaptation:

The study delves into the intricacies of implementing competency-based learning materials in nail care education, shedding light on the challenges encountered in this transformative process. One salient revelation pertains to the constraints imposed by limited resources, spanning both technological infrastructure and faculty training initiatives (Ypanto, 2022). The integration of innovative competency-based materials necessitates a substantial investment in technology, creating a potential barrier for educational institutions with constrained budgets.

A recurrent theme in the literature supports the study's finding that adapting traditional curricula to effectively incorporate competency-based approaches poses a significant challenge for educators (Uy, et al., 2023). The shift from conventional teaching methods to competency-based strategies requires a paradigmatic adjustment, involving not only the adoption of new technologies but also a fundamental reevaluation and restructuring of pedagogical practices. This challenge underscores the importance of targeted professional development opportunities for educators, ensuring they possess the requisite skills to navigate and implement these innovative materials successfully.

Equally noteworthy is the study's identification of concerns related to equitable access to technological resources among students (Kilag, et al., 2023). The digital divide can impede the universality of the learning experience, potentially exacerbating educational inequalities. Acknowledging and addressing these concerns is paramount for policymakers and educators alike to ensure that the benefits of competency-based learning materials are accessible to all students, regardless of their socioeconomic backgrounds.

The study's exploration of challenges in the implementation of competency-based learning materials in nail care education underscores the multifaceted nature of this educational shift. By recognizing these challenges, educators and policymakers can develop targeted interventions and strategic plans to overcome obstacles, fostering a more inclusive and effective learning environment.

Conclusion

This research delves into the transformative landscape of nail care education, specifically exploring the integration and impact of competency-based learning materials. The findings of this study illuminate key insights that contribute to the ongoing discourse on educational innovation within the beauty care sector. Through an integrative literature review methodology, the study has synthesized existing knowledge, providing a nuanced understanding of the implications and challenges associated with competency-based approaches in nail care education.

The first significant finding underscores the substantial enhancement of skill acquisition facilitated by competency-based learning materials. Practical skills, integral to the nail care industry, are effectively honed through hands-on demonstrations, interactive modules, and simulated scenarios. This aligns seamlessly with the industry's demand for proficient and well-prepared professionals, emphasizing the efficacy of competency-based strategies in preparing learners for real-world challenges.

Furthermore, the study identifies a strong alignment between the use of competency-based learning materials and the adherence to industry standards and NCII Certification requirements. These materials, designed to be dynamic and responsive, enable educators to tailor curricula according to the industry's ever-evolving demands. As a result, students undergoing competency-based training are better positioned to meet the stringent criteria set by certification bodies, contributing to a skilled and certified workforce.

A third noteworthy finding centers on the positive impact of competency-based learning materials on student engagement and motivation. By incorporating interactive elements, gamified features, and real-world case studies, educators create an immersive learning environment that captivates students' interest. This finding reinforces the pivotal role of learner-centric approaches in fostering a genuine commitment to the educational journey, ultimately enhancing the overall quality of the learning experience.

However, the study also illuminates challenges in the implementation of competency-based learning materials. Limited resources, including technological infrastructure and faculty training, pose significant hurdles. Adapting traditional curricula to seamlessly integrate innovative materials requires a comprehensive approach to address these challenges.

This study underscores the potential of competency-based learning materials to revolutionize nail care education, providing a roadmap for educators, policymakers, and industry stakeholders to navigate the complexities of integrating these innovative approaches. As the beauty care sector continues to evolve, embracing competency-based strategies becomes imperative for ensuring a skilled, certified, and motivated workforce that meets the dynamic demands of the industry.

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