

Nursing innovation and patents: a pathway to advancing healthcare and nursing

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The integration of nursing education and clinical practice has always been the goal of academic and industry efforts (Chen, Lee, & Chang, 2018). Knowledge is power. In the era of knowledge economy, knowledge and creativity are the main elements for creating wealth. If any industry can enhance its added value through innovation, it can be transformed into a knowledge economy industry (Liao, & Chang, 2011). How can nurses in the 21st century use their nursing expertise to create economic productivity in the trend of the knowledge economy? This is something that nurses should think deeply about.

In an era of rapid technological advancement and ever-changing healthcare needs, the nursing field must continue to adapt and innovate to meet these challenges. The development and implementation of nursing innovations and patents are critical to improving patient care, increasing the efficiency of medical services, and enhancing the professional status of nurses (Isfahani, et al., 2015).

Research and development (R&D) are the backbone of any innovation. In nursing, research and development creates new tools, techniques and techniques that improve patient outcomes and simplify nursing practice. For example, the development of advanced wound care products, telemedicine solutions, and smart medical devices can completely change the way caregivers provide care (Kuo, Lin, & Tan, 2021). By nurturing a culture of innovation and encouraging continuous professional development, the nursing community can remain at the forefront of progress in the field of personal care.

Patents play a critical role in protecting and promoting innovation in care. They provide legal recognition and protection for the intellectual property rights of nurses and researchers, ensuring their contributions are recognized and rewarded. This not

only inspires further innovation but also attracts investment in nursing research.

The integration of nursing innovations and the protection of these innovations through patents can have a transformative impact on the healthcare system. First, it can improve patient care by introducing more effective and efficient nursing practices. For example, implementing telehealth services can increase access to health care in remote and underserved areas and address health care inequalities. Secondly, promoting nursing innovation can enhance the professional status of nurses. When caregivers are seen as innovators and leaders in health care, their role in the health care system is elevated, leading to greater recognition and respect. In turn, this can attract more people into the nursing industry and solve the nursing manpower shortage problem.

Finally, fostering a culture of innovation and patents can stimulate economic growth. By developing and commercializing new nursing products and services, the nursing community can create new business opportunities and generate revenue. This can boost the country's overall economic development while also improving public health outcomes.

Research and development of nursing innovations, coupled with strong patent protection, offer tremendous potential to advance the nursing community (Sun, Yu, Chen, & Liu, 2020). By embracing these concepts, the nursing community can not only improve patient care and health care efficiency, but also enhance the professional status of nursing staff and stimulate economic growth. As we move forward, healthcare industry stakeholders, including government agencies, educational institutions, and healthcare providers, must work together to create an environment that supports and fosters innovation in care. The future of healthcare in Indonesia is bright, and through our

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commitment to R&D and patent filing, we can ensure that our nursing professionals are at the forefront of this transformation.

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