

**INTENSIVE CARE NURSING CERTIFICATION CURRICULUM DEVELOPMENT
IN INDONESIA: Indonesia and JICA
Collaborative Project**

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I. Introduction: Intensive care unit (ICU) in hospital should be supported by qualified nurses, because they have to take care of critically ill patients. There are many ways to improve nurses' competencies in ICU, one of those is continuing education. This article aimed to describe how team of JICA's pilot project in Indonesia developed curriculum of intensive care nursing certification which can be used for enhancing nurse's career ladder in intensive care unit.

II. Methodology on implementation : Members of team are 23 nurses and nursing educators from five cities in Indonesia, such as Jakarta, Surabaya, Medan, Makassar and Bandung. Team used Focus Group Discussion (FGD) and workshop for developing curriculum include it sets of equipment such as modules, writing test questions, two cases for oral examination, four scenario-cases for skill examination and hospital practice guidance. Presented it to Indonesian critical care nursing association (ICCNA) board to get some corrections then revised it.

III. Ethical consideration: To ensure that the curriculum and its sets of equipment suitable for improving competencies of ICU's nurses in Indonesia, firstly, it were accredited by Indonesian Ministry of Health then tried it out by ICCNA board in training of trainers (TOT) training in Bandung. After TOT Training, team revised it, consulted it to expert from Japan, revised again and socialized it to other nurses in national symposium.

IV. Matter of implementation: After working for about 2 years, team had finished a national curriculum of intensive care nursing certification. Competencies in module A are nursing process, diagnostic assessment, health education and documentation in ICU. Module B consists of patient management with oxygen therapy, VAP prevention, Physiotherapy and patient ambulation. Patient management using water sealed-drains, injury prevention and personal hygiene are competencies in module C. Module D has two competencies, management of fluid, electrolyte imbalance and acid base imbalance. Pain, sedation, increased intracranial pressure management and hemodynamic monitoring are competencies in module E. Module F consists of management of sepsis, nutrition and fibrinolysis-therapy on patient in ICU. Meanwhile, end of life care competency is in last module.

V. Conclusion : In general, since supported by Ikuko Seki and Yukiko Mazawa (Consultant of JICA representative Indonesia), and all counter part of JICA, now nursing in Indonesia has a national curriculum for intensive care nursing certification include its sets of equipment, which could help to increase the number of certified nurses and their career ladder.

VI. The future tasks : Hopefully, this curriculum would be used continually and certification for ICU's nurses would be held not only in big cities but also in all cities in Indonesia.