



มหาวิทยาลัยราชภัฏนครปฐม  
Nakhon Pathom Rajabhat University

# CHAPTER 1

## CONCEPTS AND PROCESSES OF RESEARCH AND INNOVATIONS DEVELOPMENT

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# Objectives



**After studying this chapter you will be able to:**

1. Explain concepts of research development in nursing.

2. Explain concepts of innovation development in nursing.



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# Concepts of Research Development in Nursing



# Definition of Research

- **Research means**
  - To search again
  - To examine carefully
- The research seeks answers to questions in an orderly and systematic way.
- It is a method of problem-solving.

(Sukhothai Thammathirat Open University, 2020)



# Concepts of Research Development in Nursing

Nursing research or **Research in nursing** means

- **Research in nursing** is a systematic inquiry designed to develop knowledge about issues of importance to the nursing profession, including nursing practice, education, administration, and informatics.

(Tingen, Burnett, Murchison & Zhu, 2009)

## Example of the research question

- Does the administration of Thai traditional massage reduce the need for painkiller medication after normal delivery?

(Waelveerakup & et al., 2023)



# Research & Variables

- In research, variables are any characteristics that can take on different values, such as gender, age, vital signs, or test scores.
- Researchers often manipulate or measure independent and dependent variables in studies to test cause-and-effect relationships.

**The independent** variable is the cause.  
Its value is independent of other variables in a study.

**The dependent variable** is the effect.  
Its value depends on changes in the independent variable.



## ROLE OF NURSE, BSN Degree IN RESEARCH PARTICIPATION

1. Critiquing & synthesizing research findings from the nursing profession and another discipline for use in practice.
2. Provide valuable assistance in identifying research problems and collecting data for studies and observing the rest of the research process.

To Improve:

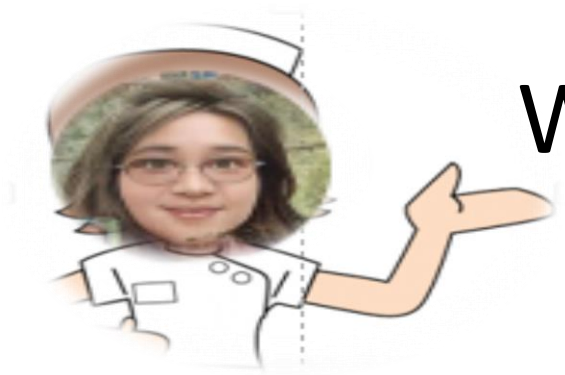
- ✓ Nursing as a profession
- ✓ Nursing practice (ANA, 1989)
- ✓ Patient outcomes



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# Concepts of Innovation Development in Nursing





What is innovation ???

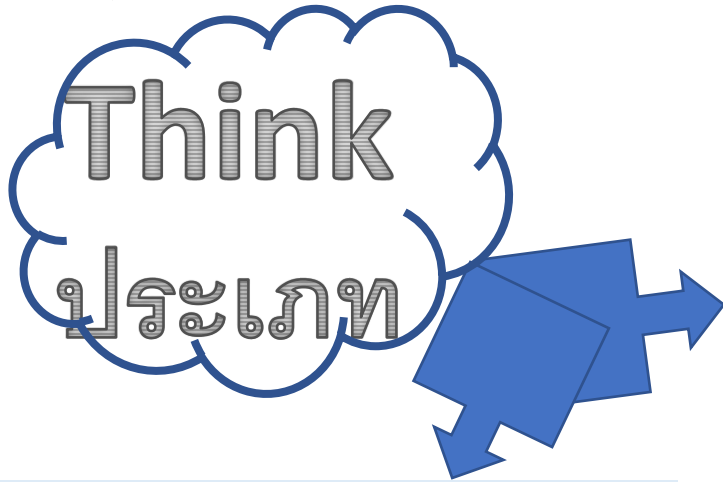


What is innovation ???

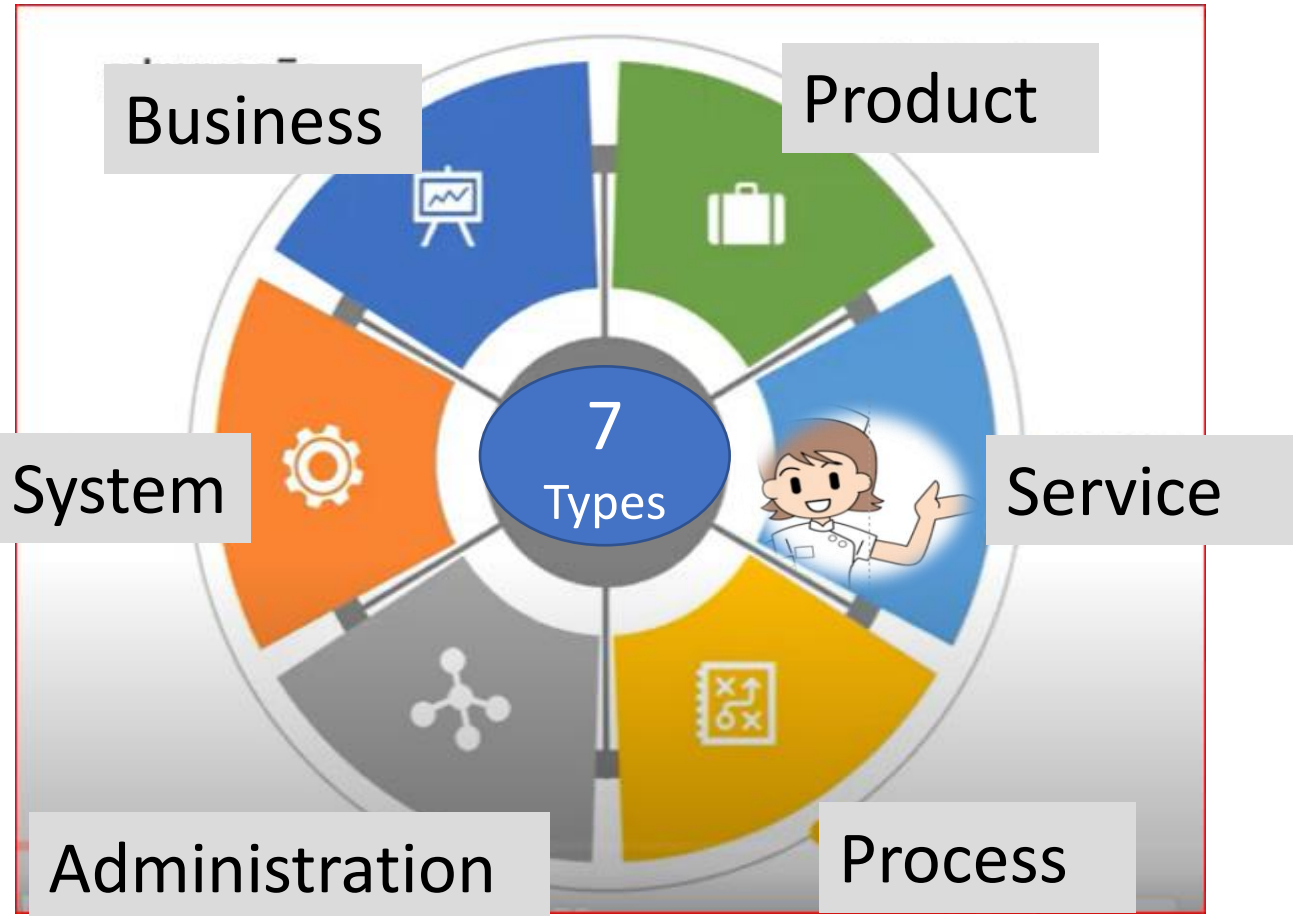
What is innovation ???

What is innovation ???

# THE 3 KEYWORDS OF INNOVATION



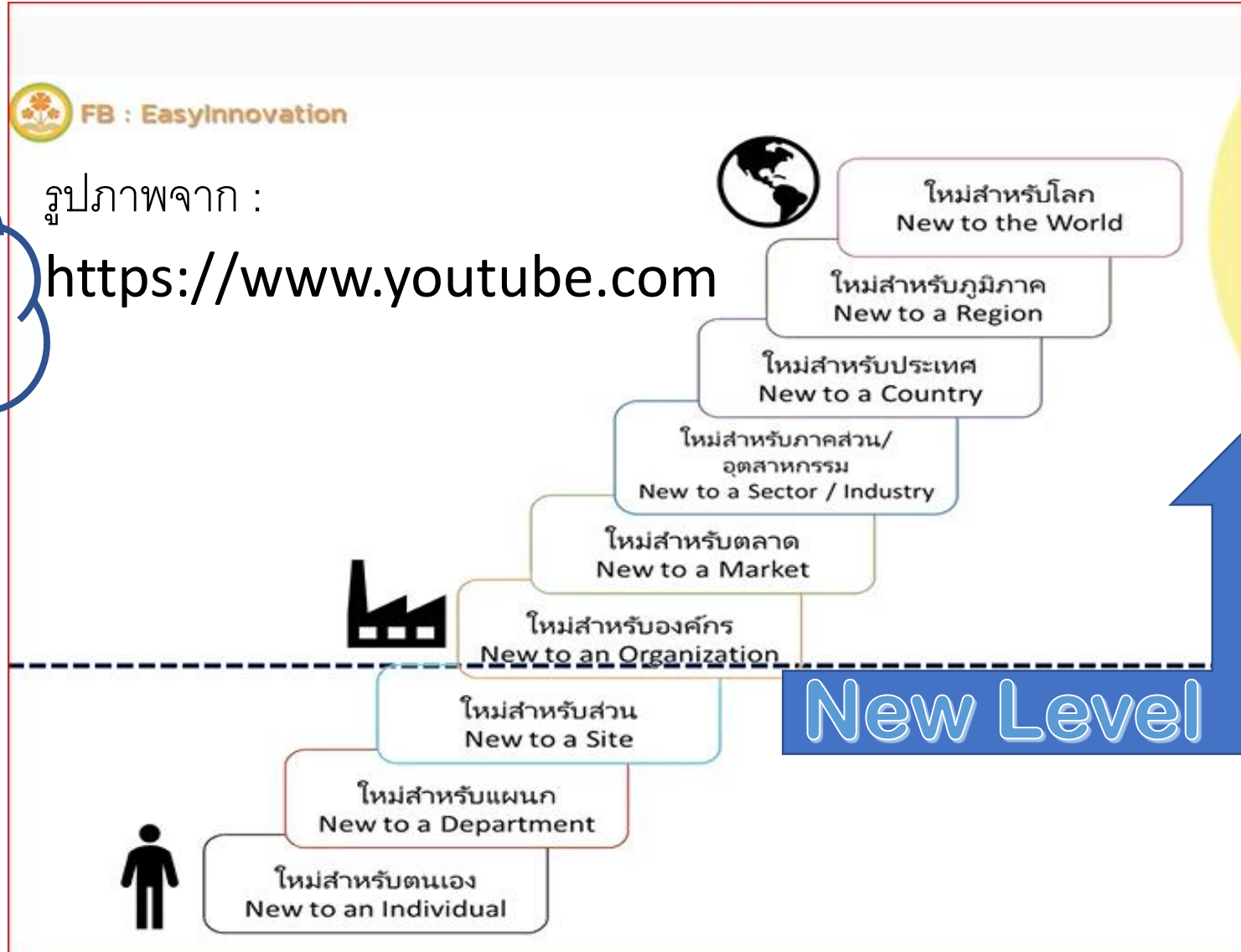
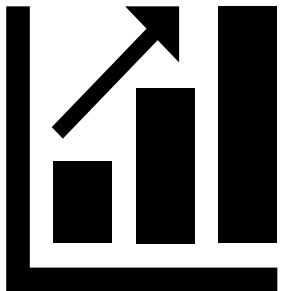
- ✓ Research & Development
- OR
- ✓ Improvement



Type of Innovation

(Adair, 2007; Singchungchai, 2019)

# THE 3 KEYWORDS OF INNOVATION



(Adair, 2007;  
Singchungchai,  
2019)



# "นวัตกรรม" ประกอบไปด้วย 3 กลุ่มคำที่สำคัญ

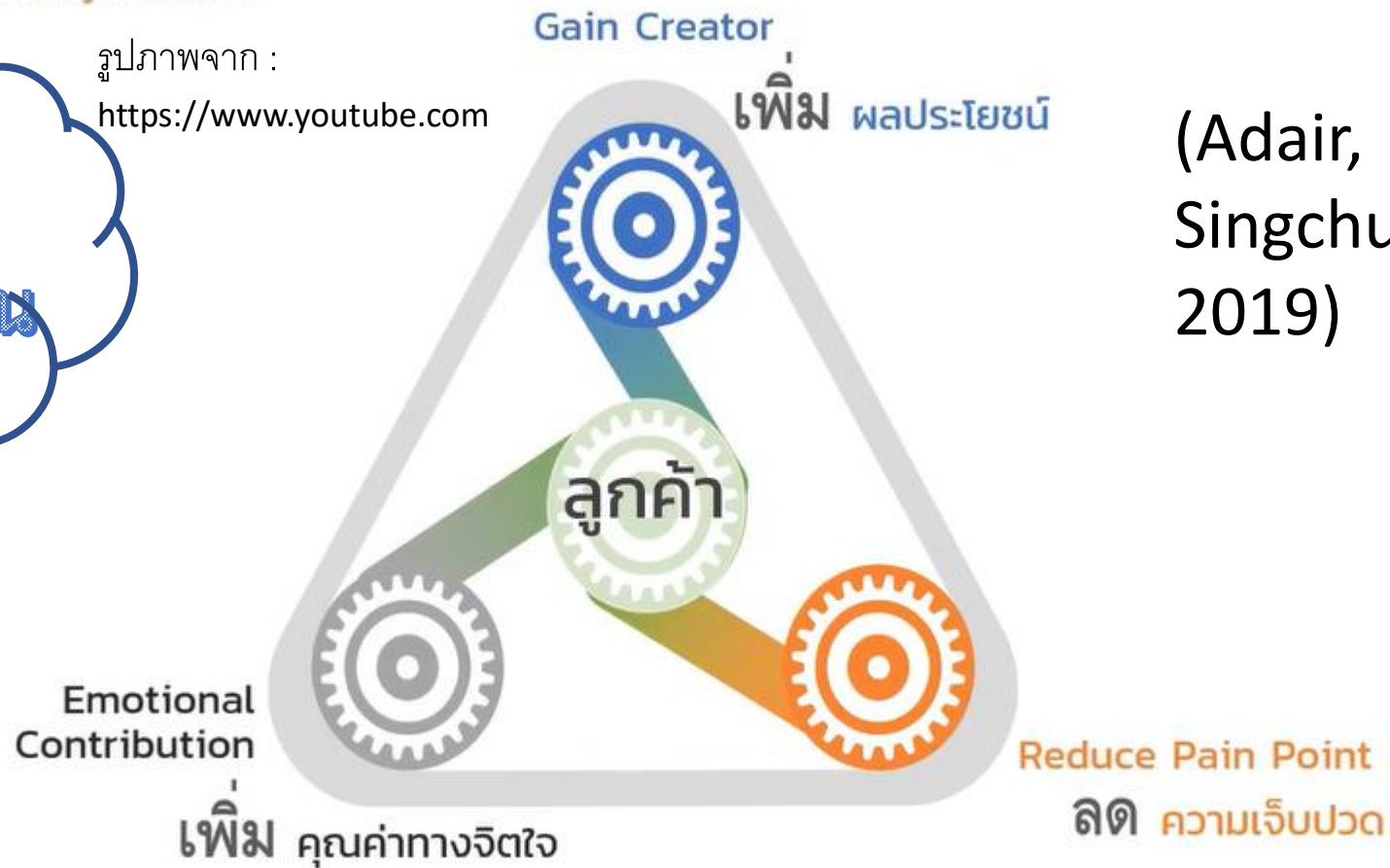


FB : EasyInnovation

รูปภาพจาก :

<https://www.youtube.com>

Value  
คุณค่าที่เกิดขึ้น



(Adair, 2007;  
Singchungchai,  
2019)



# Definition of Innovation




- The word “innovation” is derived from the Latin verb innovare, which means to **renew**.
- “Innovation” word varies in definition in the literature. Innovation is defined as a “New or significantly modified product (good or service), or process; a new marketing method; or in business practices, the implementation of a new organizational method in the workplace organization or external relations” [International Council of Nurses (ICN), 2014].



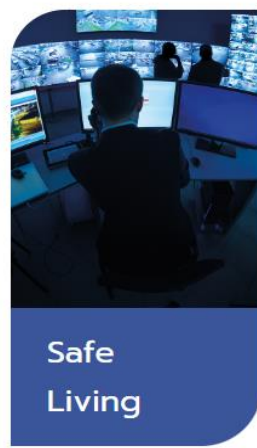
# Example: INNOVATION FOR CRAFTED LIVING

("นวัตกรรมเพื่อการใช้ชีวิตที่ประณีต")

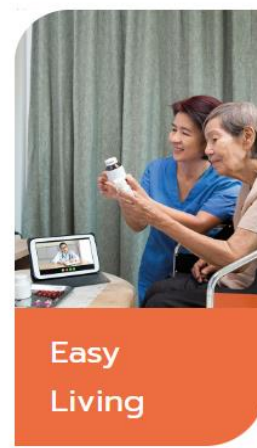
Healthy Living

นวัตกรรมเพื่อ  
ชีวิตที่มีสุขภาพดี



Safe Living

นวัตกรรมเพื่อ  
ชีวิตที่มีความ  
ปลอดภัย



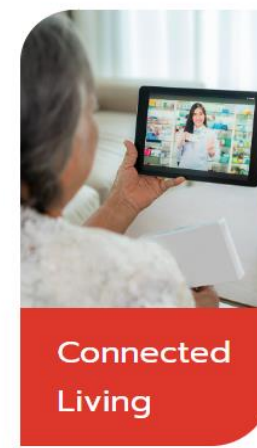
Easy Living

นวัตกรรมเพื่อ  
ชีวิตสะดวกสบาย



Smart Living

นวัตกรรมเพื่อ  
ชีวิตที่เป็นมิตรกับ  
โลก



Connected Living

นวัตกรรมเพื่อ  
ชีวิตที่เชื่อมต่อ  
ถึงกันได้



Wealthy Living

นวัตกรรมเพื่อ  
ชีวิตที่มีอาชีพและ  
รายได้ใหม่



Happy Living

นวัตกรรมเพื่อ  
ชีวิตที่มีความสุข



*Thank you*

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