



What Have been Done by SEAMEO QIM

Prof. Subanar

Fadjar Shadiq

SEAMEO QITEP in Math

How to Help/Facilitate Students to Learn:

Meaningfully or with
Understanding



Prior Knowledge and
Context from Data

To Think and to
Decide by
Themselves



Problem Based
Problem Posing
...

SEAMEO QiM's Lesson Study Plan

1. Theme: How can we enhance the awareness to reduce the disaster risk of Flood and Typhoon by using mathematical model?
2. Focuses on these two issues.
 - a. How to save people's lives and to prevent people from injuries in case of Flood and Typhoon?
 - b. How to model the situation of Flood and Typhoon disaster into mathematical terms, concept, or principles?



The Lesson Study Plan



3. The team consisted of mathematics teachers, specialist, mathematics educators, mathematicians, and geologist.

How to Enhance the Competence in Mathematical Modeling by Implementing Lesson Study in the Case of Flood and Typhoon?

- ◆ Asrie Setyaningrum, S.Pd., *SDN SBI Gemolong, Sragen*
- ◆ Dra. Hanik Nurul Hidayah, *MIN Jejeran, Bantul, Yogyakarta*
- ◆ Meyra Dwinugrahaningsih, S.Si, M.Pd., *SMAN 4 Surakarta*
- ◆ Arief Wismono, S.Pd., *SMAN Jetis, Bantul, Yogyakarta*
- ◆ Fadjar Shadiq, M.App.Sc., *SEAMEO QITEP in Mathematics*
- ◆ Pujiati, M.Ed., *SEAMEO QITEP in Mathematics*
- ◆ Sahid, M.Sc., *SEAMEO QITEP in Mathematics*
- ◆ Dr. Wahyudi, *SEAMEO QITEP in Mathematics*
- ◆ Prof. Dr. rer. nat. Widodo, M.S, the Director of *PPPPTK Matematika (CDEMTEP)*
- ◆ Prof. Subanar, PhD, the Director of *SEAMEO QITEP in Mathematics*

During the Open Lesson, we invite 10 mathematics teachers observe the lesson. Altogether there are $4 \times 10 = 40$ mathematics teachers + 4×2 specialist from SEAMEO QiM observe the Open Lesson.

Results:

1. Lesson Plan

a. Asrie (I)

b. Hanik (I, II)

c. Meyra/Arif (I, II)

2. Power Point Presentation

a. Asrie (I)

b. Hanik (I, II)

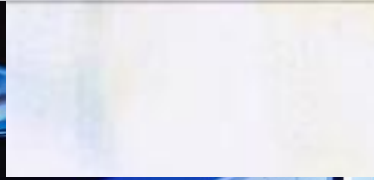
c. Meyra/Arif (I, II, III)

3. Video → will be edited

a. Asrie (I)

b. Hanik (I, II)

c. Meyra/Arif (I, II, III)



The logo for TQVM (Total Quality Management) is centered on a yellow square background. It features two circular emblems at the top: the left one is the SEAMEO (Southeast Asian Ministers of Education Organization) logo, and the right one is a circular emblem with a mountain and a sun. Below the emblems, the text "TQVM" is written in a bold, pink, sans-serif font.

