

	MINISTRY EDUCATION, CULTURE, RESEARCH AND TECHNOLOGY <b>UNIVERSITAS NEGERI JAKARTA</b> FACULTY MATHEMATICS AND KNOWLEDGE KNOWLEDGE NATURAL <b>MAJOR PHYSICS &amp; EDUCATION</b> <b>PHYSICS</b> Campus A UNJ Rawamangun, G-d. Hasjim Asj'arie Lt. 5 Jl. Rawamangun Muka No. 1 Jakarta 13220 Tel. 021-29266285/29266284	<b>EXAM MIDDLE SEMESTER 118</b>	
		<b>METHODOLOGY STUDY</b>	
		<b>Date and time</b>	Wednesday / March 29, 2023
		<b>O'clock</b>	13.00-14.40
		<b>Study Program</b>	Physics Education
		<b>Nature of the Exam</b>	Closed Book & Upload Epsilon
		<b>Lecturer</b>	Dr. Firmanul C Wibowo, M.Pd.

**Instruction:**

1. Question answered In Language Indonesia
2. Answer from Question in write hand on paper folio striped
3. Answer question in scans in pdf form
4. Answer question in upload Epsilon

**QUESTION UTS WRITTEN**  
(Weight 20%)

1. What do you conclude from various experts regarding the definition of research? understanding, benefits and direction the research?
2. Explain in a way details use framework question words following: a) what, b) where, c) when, d) how, e) why? about Theme And formulation problem study Thesis Which will you do what is becoming a trend in physics education research (results from vos viewer which has You do)?
3. Ponder (reflection) things in Activity Study Teach Physics (Process Learning) Which felt Not yet satisfying, Then arrange it something problem learning from Problem Identification, Problem Analysis, and Formulating Titles Study Your thesis?
4. Formulate a research title, then identify the research variables in it formulation title as well research assumptions is which can did he formulate it?
5. is difference characteristics from approach study qualitative with approach study quantitative?

**Information**

**UTS Team Based Project (20%)**

**Physics Research Extraction (PRE)/Critical Analysis**

Analysis and Synthesis and Extraction activities from international journals with a 5 year reputation finally in the form of output in the form of an analysis and synthesis report in a reputable international journal according to the Analysis and Synthesis Template that has been uploaded to the Epsilon LMS. Submission deadline 5 April 2023 on LMS Epsilon.