



**19th International Geography
Olympiad**

FIELDWORK EXERCISE

**Task 2
Analysis Session**

Student number

1	9				
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Indonesia, 2023

Task 2

Analysis (22 marks)

Task Guideline

- a. All tasks must be completed individually, using the answer templates provided.
- b. Time allocated for this Task is **90 Minutes** for students educated in English. All other students have an extra **20 minutes**.
- c. Write your answers in pen. You may use coloured pencils/pens for map work or diagrams.
- d. You may refer to material in the Resource Book in your answers, and you may use material you have gathered from FWE Task 1.

1. Public Transportation and Accessibility

Accessibility is one of the most important aspects for a tourism area. However, the Bukit Pakar Area (Juanda Forest Park and Bukit Pakar) is currently not connected to any public transportation. The only transportation hub is the Dago Station to the south of Bukit Pakar.

- a. Tourists usually arrive in Bandung by train at Hall Station. Imagine you are a tourist who wants to go to the Bukit Pakar Area by using public transportation (angkot). Pay attention to the public transport route map (in the resource booklet). Assume the distance to each point (interchange route, station, stop) is the same. Determine which route is the fastest and most efficient to use, and list all the stops that you must go through [1 mark]

- b. Identify and explain the best transportation mode to connect the Bukit Pakar Area and its surrounding area with Dago Terminal. [3 marks]

2. Hydrology of Bukit Pakar and its Surrounding Area

The groundwater quality of Bukit Pakar has deteriorated in the past two decades, with significant indications pointing to human intervention as the primary contributing factor.

- a. From your previous field observations, identify the three main activities in Bukit Pakar area that are likely to produce waste, then categorize the resulting waste from these activities, and give examples of such waste in the table below. [3 marks]

Activity Name	Waste Type (Solid/Liquid/Gas)	Waste Example

- b. Point out and explain two reasons for how the types of waste that you have mentioned earlier might affect the groundwater quality in Bukit Pakar area. [2 marks]

1st Reason	
2nd Reason	

- c. Based on your observation and your answer to the previous questions, point out two strategies to restore the quality of Bukit Pakar's groundwater [2 marks]

1st Reason	
2nd Reason	

3. Sustainable Development Planning

Bukit Pakar area is facing a dilemma, on one hand it is a prospective tourism destination buoyed by a rapidly growing creative sector. On the other hand, Bukit Pakar is also a nature conservation zone with the purpose of providing essential environmental services for the Greater Bandung Area. As a geographer, you are asked to come up with a development plan to guide Bukit Pakar's development.

- a. Using the resource booklet and your observation from the Field Work Exercise Task 1, list the existing problems for the development of Bukit Pakar Area according to the environmental, social, and economic aspect (two problems for each aspect). [3 marks]

Aspects	Problems
Environmental	
Social	
Economic	

- b. From your previous answer, list two problems that you anticipate and the solutions that you propose for Bukit Pakar Area's future development.

Finally, propose a suitable development title to tackle those problems. [2 marks]

Problems	Solutions
Development Plan Name:	

- c. Based on your observations and solutions for the previous question, propose four main points of interest to be developed in Bukit Pakar Area. Describe your proposed development for each point of interest and provide the reasoning for said development. Annotate these locations on Map 2A. [4 marks]

No	Potential Development	Reasoning for Development
1		
2		

No	Potential Development	Reasoning for Development
3		
4		

- d. Bukit Pakar's problems are complex and interrelated; your development plan might bring benefits to some people but may negatively impact the others. Explain one positive and one negative impact of your development plan towards people in Greater Bandung Area.
[2 marks]

Positive impact	
Negative impact	