

Ismail Mohd. Noor: Development and sediment load - A case of Langat Basin

Laporan (Report)

Assoc. Prof. Ismail Mohd. Noor of Universiti Kebangsaan Malaysia gave the above talk on the 24 February 1989 at the Department of Geology, University of Malaya. The talk was attended by about 15 people.

Abstract

This talk focuses on the problem of hydrological changes in the Langat Basin with respect to the development of Kajang-Bangi area. It is a preliminary assessment. Physical development of the Langat Basin has resulted in the increase of the sediment load of the Langat River. The intensification of development started in 1975 when the Universiti Kebangsaan Malaysia main campus began its initial phase of construction followed by the development of New Bangi Town. The increase in the sediment load of the river is related to the phases and the tempo of the development of the area. The yearly increase or decrease of the sediment load has been detected by plotting the river discharge against sediment load of the river for a specified month of the year. The values of the slope of the graphs were plotted against time and by using the method of moving averages the background noise of the resulting graph was filtered off. The final graph shows a distinct pattern of sediment concentration changes with time in relation to the development of the Kajang-Bangi area.

Development of Bandar Baru Bangi has resulted in the deterioration of the quality of the environment of the area and caused changes in the hydrological process of the Langat River.



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