

QUANTITATIVE GEOMORPHOLOGICAL ANALYSIS OF AREA RAVNA MOUNTAIN AND PALE VALLEY

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In this paper has performed quantitative geomorphological analysis of area Ravna Mountain and Pale Valley. By using GIS, cartographic and mathematical-statistical methods, were analyzed morphometric characteristics specified area. Analysis covered: hypsometric characteristics, vertical dissection, slope and aspect of relief. The advantage of this analysis is that obtained data have a numerical value and thereby is verifiable and multi useful in practice for daily and long-term purposes, whose task is to identify suitability area from the point of balance and stability (agriculture, water management, infrastructure, construction, urbanism, tourism, urban planning, etc.). Results of quantitative analysis of relief Ravna Mountain and Pale Valley are presented in thematic geomorphological maps and statistical charts.

Key words: *quantitative geomorphological analysis, relief, GIS, Ravna Mountain, Pale Valley.*