GEOECOLOGICAL EVALUATION OF NATURAL RESOURCES OF THE UPPER GOSTELIA DRAINAGE BASIN

Semir Ahmetbegović¹, Avdul Adrović², Elvir Babajić³, Senad Gutić¹ and Željka Stjepić Srkalović¹

University of Tuzla, Faculty of Sciences and Mathematics, Department of Geography¹, Department of Biology², Faculty of Mining, Geology and Civil engineering³ Univerzitetska 2 and 4, Tuzla, Bosnia and Herzegovina

For the paper purpose, the physical geographical analysis of the researched area was made. The area is situated in the upper Gostelja river basin located in the northern part of the Kladanj municipality in Bosnia and Herzegovina, in the area of the Internal Dinarides. By the research, the state of geodiversity of the upper basin of Gostelja and the level of environment preservation were evaluated. The conducted researches of the environment are in a function of adequate protection and conservation. The component analysis of natural resources was carried out, and the socio-economic activities that violate or potentially violate the quality of the environment of the study area were registered. Conducted researches indicate that the upper basin of Gostelja is characterized by typical geodiversity, i.e. this is an area with relatively preserved natural resources, with the presence of a negative anthropogenic influence.

Keywords: Geoecology, geodiversity, natural resources, environment, drainage basin, Gostelja, Bosnia and Herzegovina