

ONESNAŽENOST POVRŠINSKIH VODA V ZASAVJU

POVZETEK

Zemlja je vodni planet in voda je vir življenja. Zato je stanje vode zelo pomembno. Površinske vode v Zasavju pritečejo iz hribovja, potem pa svojo pot nadaljujejo mimo travnikov, kjer so obdelovalne površine, nad zemljo in pod zemljo, skozi mesto in se na koncu izlivajo v Savo. Vseskozi poteka proces samoočiščenja vode.

Za raziskovalno nalogo sva decembra in januarja vzeli vzorce vode iz treh okoliških potokov - Kotredeščica, Trboveljščica in Boben. Parametri, ki sva jih upoštevali so pH, temperatura in pretok. Opravili sva analize KPK, trdote, BPK₅, električne prevodnosti, amonija, nitrata in nitrita. Veliko vrednosti je bilo pod mejo določljivosti, nobena vrednost ni bila kritično presežena. Enake analize sva ponovili tudi v vodi iz treh okoliških ribnikov.

KLJUČNE BESEDE:

Voda, samoočiščenje, Zasavje, KPK, BPK₅

POLLUTION OF SURFACE WATERS IN ZASAVJE

ABSTRACT

The Earth is a water world, and water is the source of life; therefore, the condition of water is very important. Surface waters in Zasavje originate in the hills and continue their paths through meadows, developed land, above and beneath the Earth, and throughout cities and end up in the river Sava. The water is purified all throughout.

During our research in the months of December and January, we took water samples from three nearby streams: Kotredeščica, Trboveljščica, and Boben. We have taken into account the parameters of pH, temperature, and water flow. We have performed analyses for the following values: COD, water hardness, BOD₅, electrical conductivity, and the presence of ammonium, nitrate, and nitrite. Many of the measured values were below the limit of detection, with no values being critically high. We repeated the same analyses with water from three surrounding fishing ponds.

KEY WORDS:

Water, purification, Zasavje, COD, BOD₅