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Ispitivanje uticaja metanolnog ekstrakta kantariona *Hypericum perforatum* L. na rast kvasca *Saccharomyces cerevisiae*

Cilj ovog rada bio je da se ispita uticaj metanolnog ekstrakta kantariona na rast kvasca. Korišćene su različite koncentracije hipericina, tamnozelenog pigmenta naftodiantronske strukture koji predstavlja jednu od najbitnijih aktivnih komponenti kantariona. Broj ćelija kvasca meren je spektrofotometrijski, OD600 metodom. Rezultati rada pokazuju značajan uticaj metanolnog ekstrakta kantariona na rast kvasca. Ipak, potrebno je nastaviti istraživanja u ovom smeru da bi se ispitao mehanizam delovanja ekstrakta kantariona, kao i njegov potencijalan uticaj na metabolizam glukoze.

Influence of St. John's Wort *Hypericum perforatum* L. Methanol Extract on *Saccharomyces cerevisiae* Yeast Growth

The aim of this study was to investigate the effect of the methanol extract of St. John's wort on the growth of yeast. Different concentrations of hypericin, a dark green pigment with a naphthodianthrone structure which is one of the most important active components of St. John's wort, were used. The number of yeast cells was measured spectrophotometrically using the OD600 method. The results clearly demonstrate the significant impact of the extract on the growth of yeast. However, it is necessary to continue research in this direction in order to investigate the mechanism of St. John's wort extract and its potential impact on the glucose metabolism.

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