



## REKONSTRUKCIJA ENDOPROTEZE ZGLOBA KUKA

### RECONSTRUCTION OF THE HIP ENDOPROSTHESIS

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**Rezime:** Kompetativno globalno tržište nameće kompanijama zahteve za unapređenje proizvodnje u cilju smanjenja vremena razvoja, izrade i pojave proizvoda na tržištu. Ostvarenje ovih ciljeva implicira razvoj CAD/CAM tehnologija, bržu izradu prototipova i drugih tehnologija koje bi obezbudile bolju proizvodnju. Reverzibilni inženjering se smatra za jednu od tehnologija koja može da obezbedi skraćanje procesa razvoja proizvoda. Ova tehnologija ima sve veću primenu u oblasti medicine, naročito u izradi implantata.

**Cljučne reči:** reverzibilno modeliranje, endoproteza zgloba kuka, oblak tačaka

**Abstract:** Competitive global market imposes requirements to the companies to improve production in order to reduce development time, design and appearance of products on the market. Achieving these goals implies development of the CAD/CAM technologies, rapid prototyping and other technologies to ensure better production. Reverse engineering is considered one of the technologies that can provide shortening product process development. This technology is frequently used in the field of the medicine, especially in the implant's production.

**Key words:** reverse engineering, hip endoprosthesis, cloud of points