THE EFFECT OF ROLE PLAY ON STUDENTS' CONCEPT MASTERY AND STUDENTS' CREATIVE SKILL IN LEARNING CIRCULATORY SYSTEM

Research Paper

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Declaration

I do hereby declare that every respect which is written in research paper entitled "The Effect of Role Play on Students' Concept Mastery and Students' Creative Skill in Learning Circulatory System" is genuinely pure result of my own original ideas, efforts, research, work and not copy or plagiarized from other papers. The opinions or findings of others which is contained in this research paper has been quoted or referenced based on scientific code of conduct and accordance with an ethical science that applies in scholarly society. This declaration is created truthfully and consciously, when subsequently it is found an infringement toward scientific ethics, or if there is a claim of any others towards the authenticity of this research paper, hence I am willing to responsible and accept academicals sanctions correspond to applicable the rules.

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ABSTRACT

This research analyzed the effect of role play on students' concept mastery and students' creative skills in learning human circulatory system. The method used in this research is quasi-experimental method. The sample was taken by cluster random sampling technique with the population of students in 8th grade at one of Junior High School in Bandung. The samples in the experimental class n=24 and control class n= 24.the data obtained using the rubric of creative skill consist of process and product. For treatment in experiment class, implemented the role play while for the control class conducted the group discussion. This study aims to examine the effect of role play on students' concept mastery and students' creative skills. The data result of students' concept mastery was taken by pretest and posttest. The result of students' concept mastery was indicated by mean of posttest score in the experimental class which is implemented the role play is higher than the control class, 79.50 > 64.00 respectively. Creative skills in process that will be seen during the implementation of the role play and creative skills in product measured by the scenario of the role play. This research indicated that role play can be implemented in teaching learning process, the research findings show that there is a significant effect of role play on students' concept mastery and lead students to be skillfully creative.

Key Words: Role play, students' concept mastery, students' creative skills, human circulatory syste.

PENGARUH ROLE PLAY PADA PENGUASAAN KONSEP DAN KEAHLIAN KREATIVITAS DALAM PEMBELAJARAN SISTEM PEREDARAN DARAH MANUSIA

Nisrina Meta Gamanik International Program on Science Education

ABSTRAK

Penelitianinimenganalisispengaruhbermainperan pada penguasaankonsepsiswa keterampilankreatifsiswadalammempelajarisistemsirkulasimanusia. Metode digunakandalampenelitianiniadalahmetode quasi-experimental. Sampeldiambildenganteknik*cluster random sampling*denganpopulasisiswa di kelas 8 di salah satu SMP di Bandung. Sampeldalamkelaseksperimen n = 24 dan kelaskontrol n = 24. data yang diperolehdenganmenggunakanrubrikketerampilankreatifterdiridari proses dan produk. Untukperawatan di kelaseksperimen, diimplementasikanpermainanperansementarauntukkelaskontroldilakukandiskusikelompo Penelitianinibertujuanuntukmengujipengaruhbermainperan pada penguasaankonsepsiswa keterampilankreatifsiswa. Data hasilpenguasaankonsepsiswadiambildengan pretest dan posttest. Hasil penguasaankonsepsiswaditunjukkandengan rata-rata skor posttest di kelaseksperimen yang diimplementasikanbermainperanlebihtinggidarikelaskontrol, 79,50> 64,00 masing-Keterampilankreatifdalam proses yang akanterlihatselamapelaksanaanpermainanperan dan keterampilankreatifdalamprodukdiukurdenganskenariopermainanperan. Penelitianinimenunjukkanbahwabermainperandapatdiimplementasikandalam proses belajarmengajar, temuanpenelitianmenunjukkanbahwaadapengaruh yang signifikandaribermainperan penguasaankonsepsiswa pada dan mengarahkansiswauntukmenjaditerampilkreatif.

Kata Kunci: *Role play,* penguasaankonsepsiswa, keahliankreativitassiswa, sistemperedarandarah pada manusia

PREFACE

Bismillaahirrohmaanirrohiim.

All of praises and gratefulness are always raised to Allaah SWT for all His mercy and grace so the writer can finish of the research paper to fulfillment of the requirement for Bachelor Degree's of International Program on Science Education at Universitas Pendidikan Indonesia. This research paper entitled "The Effect of Role Play on Students' Concept Mastery and Students' Creative Skill in Learning Circulatory System" Shalawatand salam may always devoted to Prophet Muhammad SAW, to all his families, relatives and also to all Muslims around the world.

The research was conducted to examine the effect of role play towards students' concept mastery. This research paper is the last requirements for all university students in educational major to finish their study and obtain *Sarjana Pendidikan*. Those are five chapters in this research paper that are describe how is the effect of role play to students' concept mastery in human circulatory system topic, the research paper contains of introduction, literature review, research methodology, result of discussion of the research, conclusion and recommendation.

The perfection belongs to Allaah SWT, the author realizes that this paper still has so many weaknesses that have to be improved. Therefore, the writer expects comments and suggestion are most welcome to improve the quality of learning process in the future. Hopefully the results that presented in this research paper can be useful and can be improved by the other researcher.

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