ISSN 1648-3898 /Print/ ISSN 2538-7138 /Online/ CONTENTS

CONTENTS

Editorial

CONCEPT FORMATION: PHYSICS TEACHER AND HIS KNOW-HOW AND KNOW-WHY Peter Demkanin	4
Articles	
DESIGNING INFOGRAPHICS FOR THE EDUCATIONAL TECHNOLOGY COURSE: PERSPECTIVES OF PRE-SERVICE SCIENCE TEACHERS	
Hidayah Mohd Fadzil	8
PROSPECTIVE TEACHERS' COGNITIVE STRUCTURES CONCERNING PROTEIN SYNTHESIS AND THEIR DEGREE OF UNDERSTANDING	
Cem Gerçek	19
INTEREST OF LATVIAN AND LITHUANIAN STUDENTS IN SCIENCE AND MATHEMATICS Dagnija Cēdere, Inese Jurgena, Vilija Targamadze	31
EFFECTS OF TECHNOLOGY-ENHANCED METACOGNITIVE LEARNING PLATFORM ON STUDENTS' MONITORING ACCURACY AND UNDERSTANDING OF ELECTRICITY Eylem Yıldız Feyzioğlu, Ercan Akpinar, Nilgün Tatar	43
Eylem filalz Feyzlogiu, Ercan Akpinar, Niigun fatar	43
EFFECTS OF LEARNING CYCLE MODELS ON SCIENCE SUCCESS: A META-ANALYSIS	۲.
Süleyman Yaman, Şadiye Karaşah	65
WRITING VERSUS TYPING DURING SCIENCE TEACHING: CASE STUDY IN SLOVENIA Metka Kordigel Aberšek, Boris Aberšek , Andrej Flogie	84
IN-DEPTH TEACHING AS ORIENTED-RESEARCH ABOUT SEASONS AND THE SUN/EARTH MODEL: EFFECTS ON CONTENT KNOWLEDGE ATTAINED BY PRE-SERVICE PRIMARY TEACHERS	
Joaquín Martínez-Torregrosa, Ruben Limiñana, Asunción Menargues, Rafael Colomer	97
TEACHERS' DIFFICULTIES AND STRATEGIES IN PHYSICS TEACHING AND LEARNING THAT APPLYING MATHEMATICS	
Heri Retnawati, Janu Arlinwibowo, Nidya F. Wulandari, Rian G. Pradani	120
EFFECTIVENESS OF CREATIVE RESPONSIBILITY BASED TEACHING (CRBT) MODEL ON BASIC PHYSICS LEARNING TO INCREASE STUDENT'S SCIENTIFIC CREATIVITY AND RESPONSIBILITY	
Suyidno, Mohamad Nur, Leny Yuanita, Binar Kurnia Prahani, Budi Jatmiko	136
DIVERSIFICATION OF REASONING SCIENCE TEST ITEMS OF TIMSS GRADE 8 BASED ON HIGHER ORDER THINKING SKILLS: A CASE STUDY OF INDONESIAN STUDENTS	
Anjar Putro Utomo, Erlia Narulita, Kinya Shimizu	152
DETERMINATION OF EDUCATIONAL EFFICIENCY AND STUDENTS' INVOLVEMENT IN THE FLIPPED BIOLOGY CLASSROOM IN PRIMARY SCHOOL Vera S. Županec, Branka N. Radulović, Tijana Z. Pribićević,	
Tomka G. Miljanović, Vujadin G. Zdravković	162
Information	
INFORMATION FOR CONTRIBUTORS	177
PROBLEMS OF PSYCHOLOGY IN THE 21ST CENTURY	178
QUALITY ISSUES AND INSIGHTS IN THE 21ST CENTURY	`179