

TABLE OF CONTENTS

The Effectiveness of the Problem Based Learning Model Assisted by News on Ecosystem Material on Students Conceptual Understanding and Collaboration Skills at SMAN 6 Tangerang	1-8
Development of Neuroscience-Based E-LKPD on Material Human Mobility and the impact in Critical Thinking Abilities and Student Learning Outcomes	9-19
The Effect of Implementing the Problem Based Learning Model on Student Learning Outcomes at SMA Negeri 13 Semarang on the Topic of Environmental Changes.....	20-30
BOR Learning Video Development (Based on Obesity Research) to Improve Motivation and Understanding of the Digestive System Concept High School Students	31-40
Development of Practical Instructions Based on Scientific Approach on Blood Circulation System Material to Improve Students' Science Process Skills	41-46
Development of Research-Based Digestive System Teaching Supplements to Improve Students' Conceptual Understanding and Self-awareness	47-55
Development of Discovery Learning – based Student Worksheets Combined with FGD on Ecosystem Material to Determine Student Learning Outcomes at SMA N 12 Semarang .	56-66
Development of Biology Learning Resource: E-Booklet to Make and Apply Biosilica Fertilizer from Rice Husk	67-78
The Influence of Practical Learning on Circulatory System Material on Social Emotional Competence and Students' Conceptual Understanding	79-87
Development of a Three-Dimensional (3D) Video-Based Human Skeletal System E-Atlas to Improve High School Students Understanding of the Human Movement System Material.....	88-97