

**Students needs investigation on learning newton's law of physics:  
explanatory sequential**

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**Development of games-based learning media "Eco Quest: guardian of  
the element" on the subject of climate change and global warming for  
class X high school**

*Riski Amelia, Devi Yulianty Surya Atmaja, Dadi Rusdiana*

**Systematic literature review: analysis of implementation trends of  
STEM-based physics learning on dynamic fluid material**

*Brilliana Ghorbiy, Sutopo, Endang Purwaningsih*

**Implementation of STEM based PBL with design thinking strategies  
to improve students creative problem solving capability on renewable  
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*Hana Lia, Abdurrahman, Kartini Herlina*

**Visualization of particle physics concepts using virtual reality as a  
learning support tool for physics undergraduate**

*Jimmy Jupri, Dwi Sulisworo*

**Remote laboratory development for online learning of modern physics  
experiments: initial development**

*Ishafit, Sriyanto, Toni Kus Indratno, Moh. Irma Sukarelawan, Yoga Dwi Prabowo*