

## The Effectiveness of E-Learning with the Assistance of Linktree and Whatwall on Science Learning Outcomes for Fifth Grade Students at Karangreja 01 Elementary School in Cimanggu

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### ABSTRACT

*Study This aiming For measure effectiveness assisted e-learning Linktree and WhatWall to results Study students on the material properties light in class V SDN Karangreja 01 Cimanggu. The method used in study This is experiment with pretest-posttest control group design. Subjects study consists of from two groups, namely group experiments using assisted e-learning Linktree and WhatWall as well as group control that uses method learning conventional. Research result show that there is significant improvement in results Study students who use assisted e-learning Linktree and WhatWall compared to with group control. Students in group experiment more active in follow learning, discussing, and access material through Linktree and WhatWall. In addition , the response student to the use of this media is very positive, because they feel more easy understand materials and more motivated in Study. Conclusion from study This is that learning based on e-learning with help Linktree and WhatWall effective in increase results Study as well as involvement student in science learning , especially on the material properties light. Therefore that, it is recommended for teachers to utilise this digital technology in the learning process use increase effectiveness and results Study student.*

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## 1. INTRODUCTION

Development digital technology has give impact significant in the world of education, include in the learning process at school Basic. Learning e-learning based increasingly Lots used as alternative in increase effectiveness learning, especially in the digital era moment This . One of approaches that can applied in learning is utilization of digital platforms such as Linktree and WhatWall as an interactive learning medium.

IPA is eye demanding lessons understanding draft in a way deep through experience concrete learning . One of material in grade V science is "Properties of Light", which requires approach learning that can facilitate exploration student visually and interactively . However , in in practice , still found a number of constraint in learning conventional , such as limitations source learning , low involvement active students , as well as lack of variety of media that supports understanding draft in a way deep .

Use of assisted e-learning Linktree and WhatWall in learning can become solution in overcome constraint those . Linktree allows teachers to manage various source Study in One easy link accessed by students , such as learning videos , articles , simulations interactive , and exercises question . Meanwhile that ,



Response student to learning based on e-learning is also very positive. Most of student feel more easy understand draft properties light with help various source learning provided through Linktree, as well as feel more motivated with existence interaction through WhatWall .

With Thus, it can concluded that assisted e- learning Linktree and WhatWall effective in increase results Study student as well as involvement they in science learning material properties light in class V of SDN Karangreja 01 Cimanggu.

#### 4. CONCLUSIONS

Based on results research, can concluded that use of assisted e-learning Linktree and WhatWall own impact positive to results Study student Class V of SDN Karangreja 01 Cimanggu in material properties light . Students who study using this media show improvement better understanding Good compared to with method conventional. In addition, involvement active student in the learning process also increases with existence interaction through WhatWall and access easy to source Study through Linktree. Learning become more interesting , interactive , and capable increase motivation student. With Thus, it is suggested for teachers to utilise digital technologies such as Linktree and WhatWall in learning, especially in subjects science lessons, use increase effectiveness learning and results Study student .

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