

**PENGEMBANGAN PANDUAN AKTIVITAS PEMBELAJARAN
BERBANTUAN MEDIA WEB *LINKTREE* TERHADAP LITERASI SAIN
DAN KEMAMPUAN METAKOGNITIF PADA MATERI MACAM-
MACAM GAYA MUATAN IPA KELAS IV SD**

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ABSTRAK

Studi pengembangan yang dilakukan mempunyai tujuan guna mengembangkan panduan aktivitas belajar berbantuan media web *linktree* terhadap literasi sains dan kemampuan metakognitif pada materi macam-macam gaya muatan IPA kelas IV SD. Studi ini memakai pemodelan 4-D yakni pendefinisian (*define*), perancangan (*design*), pengembangan (*develop*), serta penyebaran (*disseminate*). Studi ini mengambil subjek panduan aktivitas belajar berbantuan media web *linktree* terhadap literasi sains dan kemampuan metakognitif pada materi macam-macam gaya muatan IPA kelas IV SD. Objek studi ini ialah validasi panduan aktivitas belajar berbantuan media web *linktree* terhadap literasi sains dan kemampuan metakognitif pada materi macam-macam gaya muatan IPA kelas IV SD. Sampel dalam studi ini berjumlah 32 orang yang dibagi kedalam kelas kontrol serta eksperimen. Hasil validasi panduan aktivitas pembelajaran diperoleh rerata nilai 4,47 secara keseluruhan valid dengan predikat sangat baik serta layak dipergunakan. Disimpulkan bahwasanya secara simultan ada perbedaan secara signifikan literasi sains serta kemampuan metakognitif antara peserta didik yang ikut pembelajaran berbantuan media web *linktree* dengan peserta didik yang ikut panduan aktivitas pembelajaran tanpa bantuan media web *linktree*.

Kata kunci: panduan aktivitas pembelajaran, *linktree*, literasi sains, kemampuan metakognitif

**DEVELOPMENT OF LINKTREE WEB ASSISTED LEARNING
ACTIVITIES GUIDE ON SCIENCE LITERATURE AND METACOGNITIVE
ABILITY IN MATERIALS OF VARIOUS STYLES OF IPA CONTENT FOR
CLASS IV ELEMENTARY SCHOOL**

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ABSTRACT

The development study carried out has the aim of developing a guide for learning activities assisted by web linktree media on scientific literacy and metacognitive abilities in the various styles of science content for grade IV elementary school. This study uses 4-D modeling, namely definition, design, development and dissemination. This study takes the subject of a web linktree-assisted learning activity guide on scientific literacy and metacognitive abilities on various science content styles for fourth grade elementary school. The object of this study is the validation of the web linktree-assisted learning activity guide on scientific literacy and metacognitive abilities on various science content styles for grade IV elementary school. The sample in this study amounted to 32 people who were divided into control and experimental classes. The results of the validation of the learning activity guide obtained an average value of 4.47, overall valid with a very good predicate and suitable for use. It was concluded that simultaneously there was a significant difference in scientific literacy and metacognitive ability between students who took part in web linktree-assisted learning and students who took part in learning activity guides without the help of web linktree media.

Key words: *Learning activity guide, Linktree, Metacognitive ability, Scientific literacy*