

**Pengembangan Desain Pembelajaran *Blended Learning* Berbantuan *Google Classroom* dan *Google Meet* Pada Materi Suhu dan Kalor di SMA N 1 Hinai**

**ABSTRAK**

Penelitian ini bertujuan untuk mengetahui desain pembelajaran *blended learning* berbantuan *google classroom* dan *google meet* pada materi suhu dan kalor di SMA N 1 Hinai yang dikembangkan valid, efektif dan praktis. Penelitian ini berjenis penelitian pengembangan yang lebih dikenal dengan sebutan *Research and Development* (R&D) dengan model ADDIE (*Analysis, Design, Development, Implementation and Evaluation*). Subjek penelitian yang digunakan yaitu kelas XI IPA 2 berjumlah 30 orang. Data penelitian diperoleh dengan menggunakan kevalidan, keefektifan dan kepraktisan dari desain pembelajaran yang dikembangkan. Pengembangan desain pembelajaran *blended learning* berbantuan *google classroom* dan *google meet* divalidasi dua dosen dan satu guru fisika di SMA N 1 Hinai. Lembar aktivitas siswa dan tes hasil belajar siswa digunakan untuk mengukur keefektifan dari desain pengembangan yang telah dibuat, sedangkan lembar respon siswa digunakan untuk mengukur kepraktisan dari desain pembelajaran ini. Dari hasil penelitian diperoleh nilai kevalidan dari validator dengan kategori sangat valid, kemudian nilai keefektifan untuk lembar aktivitas siswa dikategorikan sangat tinggi dan nilai tes hasil belajar dari rumus  $n$ -gain yakni pada kategori tinggi dan untuk kategori efektivitas tes hasil belajar dari rumus  $n$ -gain diperoleh dengan kategori efektif, untuk perolehan nilai praktis pada lembar respon siswa diperoleh dengan kategori praktis. Sehingga diperoleh kesimpulan bahwa pengembangan desain pembelajaran *blended learning* berbantuan *google classroom* dan *google meet* pada materi suhu dan kalor di SMA N 1 Hinai telah dikatakan valid, efektif dan praktis.

**Kata kunci :** *Blended learning, google classroom, google meet, valid, efektif, praktis.*

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**ABSTRACT**

*This research aims to determine the learning design of blended learning assisted by google classroom and google meet on temperature and heat material at SMA N 1 Hinai which was developed to be valid, effective and practical. This research is a type of development research which is better known as Research and Development (R&D) with the ADDIE (Analysis, Design, Development, Implementation and Evaluation) model. The research subject used is class XI IPA 2 which presents 30 people. The research data was obtained by using the validity, effectiveness and practicality of the developed learning design. The development of blended learning learning designs assisted by Google Classroom and Google Meet was validated by two lecturers and one physics teacher at SMA N 1 Hinai. Student activity sheets and student learning outcomes tests were used to measure the effectiveness of the development design that had been made, while the response sheets were used to measure the practicality of this learning design. From the results of the study, it was obtained that the validity value of the validator was in a very valid category, then the effectiveness value for the activity sheet was categorized as very high and the test value of the n-gain formula was in the high category and for the effectiveness category the results of the n-gain formula were obtained in the effective category. , to obtain the value of practicality on the student response sheet obtained by the practical category. So that it can be concluded that the development of blended learning learning designs assisted by google classroom and google meet on temperature and heat material at SMA N 1 Hinai has been said to be valid, effective and practical.*

**Keywords:** *Blended learning, google classroom, google meet, valid, effective, practical.*