



# IGEOS

the 6th IGEOs: International Geography Seminar

## **Implementation of The Google Site Integrated GeoSMART Approach to Improve Student Learning Outcomes on Indonesian Strategic Position Material at Sma Adabiah 2 Padang**

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# Introduction



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Geography learning related to spatial, maps, images, symbols and graphs (**Budi Santoso et al., 2021**) has developed through the innovation and creativity of educational experts such as STEM (**Bybee, 2010; Caldis, 2019**), TPACK (**Nofrion & Wijayanto, 2018 ; Trigueros, 2018**), Lesson Study (**Nofrion, 2018**), geospatial/WebGIS technology-based learning (**Aboobaker & KA, 2021; Lin et al., 2017**), HOTS learning (**Nofrion & Wijayanto, 2018**)



Facts in the field show that Geography learning is still surrounded by many problems such as limited mastery of subject content (**Thomas-Brown & Richards, 2015**), low expectations for student learning outcomes and teachers' lack of confidence (**Catling, 2017**), student interest in learning. low (**Sanina, 2019**) and learning activities are less varied and challenging, collaboration is limited, and the use of technology is limited as a medium for conveying messages, student learning activities are still low, communication and collaboration are limited and HOTS development is not optimal and technology integration is limited (**Jan, 2017 ; Nofrion et al., 2018; Nofrion & Wijayanto, 2018**).

# Introduction



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## Pengembangan GeoSMART

Learning untuk Meningkatkan Keterampilan Belajar Abad 21

Silahkan Pilih Materi Pelajaran Berdasarkan Kelas



Materi Kelas X



Materi Kelas XI

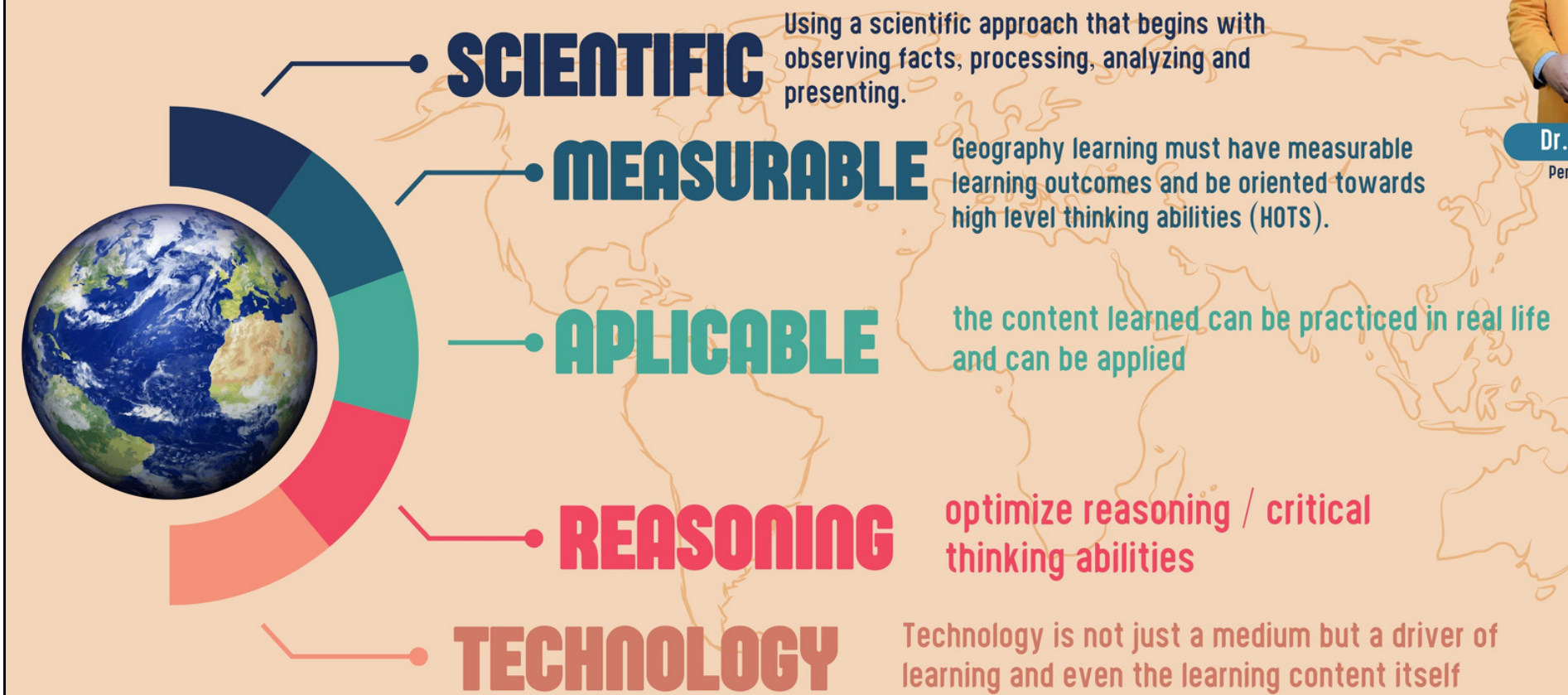


Materi Kelas XII

@Riset DRPM Tahun 2023  
Pengembangan GeoSMART Learning Berbasis WebGIS  
pada Pembelajaran Geografi  
Ketua Periset : Dr. Nofrion, M. Pd  
Universitas Negeri Padang

Google Site

## GEO SMART



Dr. Nofrion, M.Pd  
Pengembang GeoSMART

GeoSMART Approach



The **GeoSMART approach** was developed using the **Ploomp** development model which has been proven valid, practical and effective. Learning outcome data was obtained from daily assessments of map material. Observation and documentation methods were also used to obtain data on **learning activities and student participation in learning using the GeoSMART approach in the experimental class.**

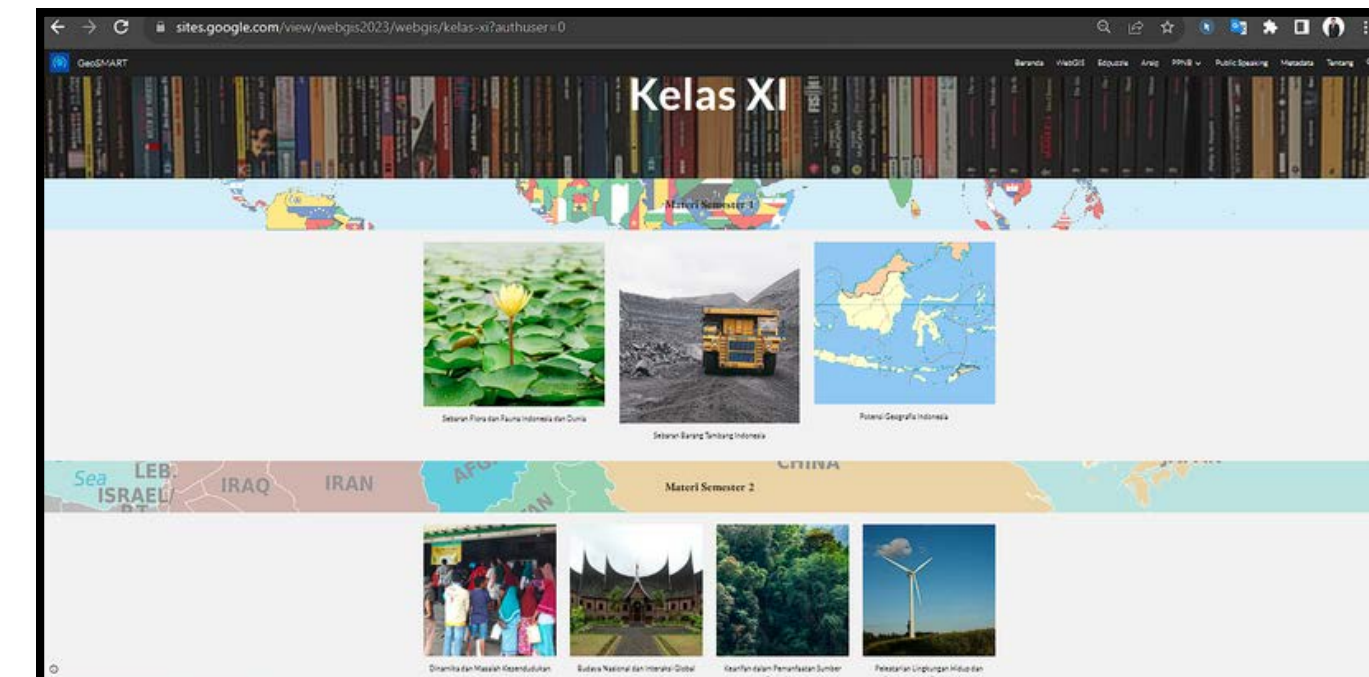
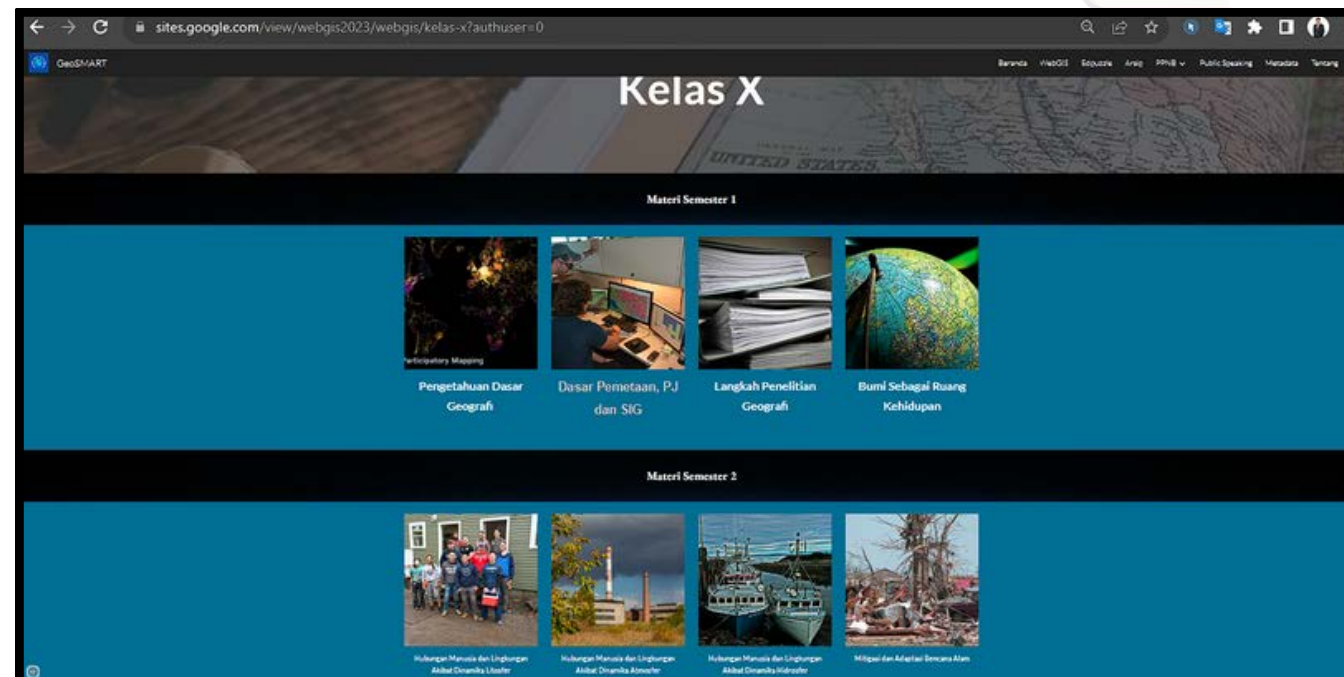
### Partners schools:

1. SMA Adabiah 2 Padang,
2. SMAN 1 Bukit Sundi,
3. SMAN 2 Sawahlunto,
4. SMAN 10 Padang dan
5. MAN 2 Padang.

# Result



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## GeoSMART - M1

Cermati Gambar Berikut ini?

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<https://www.geosmartnofrion.com>

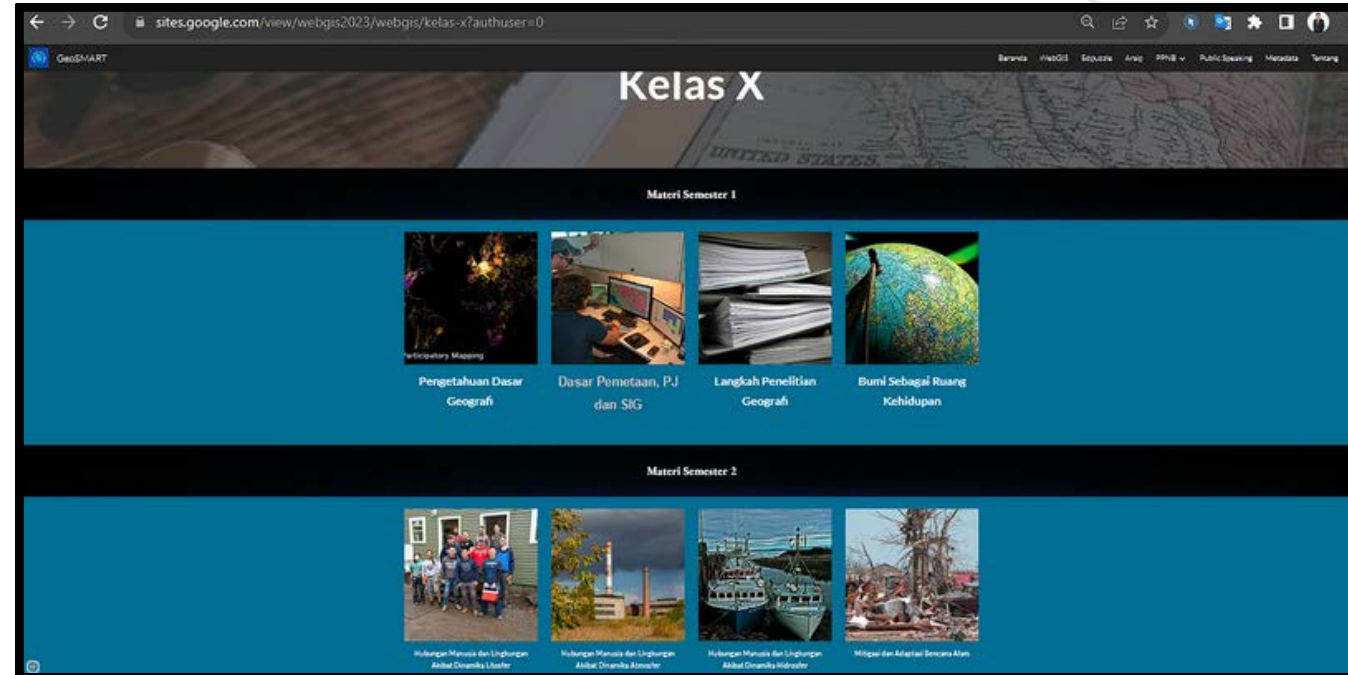
The results of different tests using the t - test show that the calculated **T value > T table is 5.313 > 1.675**. These results prove that  $H_a$  is accepted. Furthermore, the N Gain test results from the average pretest and posttest scores for the **control class were 34.55% (less effective)** and the **experimental class 74.90% (effective)**

# Result



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# Conclusion



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From the analysis of research data, it was **concluded** that there was an influence of the application of the **Google Site Integrated GeoSMART approach** on student learning outcomes on the topic of Indonesia's strategic position

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# Thank You!

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Materi Kelas XI




Materi Kelas XII

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pada Pembelajaran Geografi  
Kelas Perintis Di Negeri, S.M. 1st  
Universitas Negeri Padang



**Kelas XI**



**Kelas X**

