

## ABSTRAK

**PENGEMBANGAN MATERI *LAUDATO SI'* BERBASIS TPACK  
UNTUK MENUMBUHKAN KESADARAN REMAJA  
TERHADAP LINGKUNGAN HIDUP  
DI WILAYAH KALASAN TENGAH**

Yohanes Dimas Nugroho  
Universitas Sanata Dharma  
2024

Latar belakang skripsi ini didasari oleh kegiatan manusia modern yang membawa dampak kerusakan lingkungan dan menjadi permasalahan yang serius secara berkelanjutan. Remaja di wilayah Kalasan Tengah Paroki Maria Marganingsih Kalasan, masih kurang peduli terhadap lingkungan hidup, meskipun sudah mendapatkan pendidikan lingkungan hidup. Lalu kurangnya integrasi *Laudato Si'* dalam pendampingan iman tentang lingkungan hidup dan perlunya pemanfaatan teknologi dalam proses pendampingan iman. Penelitian ini bertujuan untuk mengembangkan materi pendampingan iman berbasis TPACK pada konsep *Laudato Si'* untuk menumbuhkan kesadaran remaja terhadap lingkungan hidup. Jenis penelitian yang digunakan adalah Penelitian Desain (*Design Research*) dan desain penelitian yang digunakan adalah model Plomp dengan tiga tahapan penelitian: Penelitian Pendahuluan, Pembuatan dan Uji Coba Prototipe, dan Tahap Penilaian. Prototipe materi yang dirancang berbentuk video katekese. Berdasarkan hasil uji coba terbatas, prototipe desain materi menunjukkan bahwa implementasi desain materi *Laudato Si'* berbasis TPACK telah memberikan dampak positif terhadap perkembangan pengetahuan dan sikap kesadaran remaja terhadap lingkungan hidup. Pada aspek pengetahuan, hasil uji pre-test dan post-test menunjukkan peningkatan rata-rata *N-gain score* sebesar 0,78 atau 78%, yang masuk dalam kategori efektif. Hasil ini mengindikasikan bahwa desain materi tersebut berhasil meningkatkan pemahaman remaja terhadap materi *Laudato Si'*. Pada aspek sikap kesadaran, rata-rata nilai pre-test dan post-test mengalami kenaikan sebesar 15%, menandakan bahwa desain materi telah berhasil mempengaruhi sikap kesadaran remaja terhadap lingkungan. Maka, dapat disimpulkan bahwa rancangan prototipe materi *Laudato Si'* sudah baik mampu menumbuhkan kesadaran remaja terhadap lingkungan hidup.

**Kata Kunci:** *Laudato Si'*, TPACK, kesadaran lingkungan hidup, remaja.

**ABSTRACT****DEVELOPMENT OF TPACK-BASED LAUDATO SI' MATERIALS TO GROW  
THE TEENAGERS' AWARENESS OF THE ENVIRONMENT  
IN THE CENTRAL KALASAN REGION**

Yohanes Dimas Nugroho  
Sanata Dharma University  
2024

*The background to this undergraduate thesis is based on modern human activities which have an impact on environmental damage and become serious problems on an ongoing basis. Teenagers' in the Central Kalasan region of Maria Marganingsih Kalasan Parish, still don't care about the environment, even though they have received environmental education. Then there's the lack of integration Laudato Si' in faith guidance about the environment and the need to use technology in the faith guidance process. This research aims to develop TPACK-based learning materials on concepts Laudato Si' to raise youth awareness of the environment. The type of research used is Design Research and the research design used is the Plomp model with three research stages: Preliminary Research, Prototyping Stage, and Assessment Stage. The prototype of the material designed is in the form of a catechesis video. Based on the results of limited trials, the material design prototype shows that the implementation of Laudato Si' material design based on TPACK has had a positive impact on the development of teenagers' knowledge and awareness of the environment. In the knowledge aspect, the results of the pre-test and post-test show an average increase in N-gain score of 0.78 or 78%, which is included in the effective category. These results indicate that the material design was successful in increasing teenagers' understanding of the material Laudato Si'. In the aspect of awareness attitudes, the average pre-test and post-test scores increased by 15%, indicating that the material design has succeeded in influencing teenagers' awareness attitudes towards the environment. So, it can be concluded that the design of the Laudato Si' material prototype is good enough to raise awareness of the environment in teenagers'.*

**Keywords:** *Laudato Si', TPACK, environmental awareness, teenagers'.*