

ABSTRAK

Nanda Ayu Setiawati. NIM:8216184002. Pengembangan Model Spider Web Berbasis Kearifan Lokal Untuk Meningkatkan Keterampilan Berpikir Aras Tinggi (Higher Order Thinking Skills) Peserta Didik Di Sekolah Alam. Disertasi.Unimed 2025.

Penelitian ini merupakan penelitian pengembangan yang bertujuan untuk mengembangkan, menguji kelayakan, kepraktisan, dan keefektifan Model Spider Web berbasis kearifan lokal dalam meningkatkan keterampilan berpikir aras tinggi (Higher Order Thinking Skills/HOTS) peserta didik di Sekolah Alam. Metode yang digunakan adalah Research and Development (R&D) dengan desain pengembangan model Plomp. Penelitian dilaksanakan di tiga Sekolah Alam di Kota Medan, yaitu SD Sekolah Alam Jigs, SD Sekolah Alam Az-Zakiyah, dan SD Sekolah Alam Semangat Bangsa, dengan guru kelas IV sebagai subjek penelitian dan teknik pengambilan sampel menggunakan purposive sampling. Produk yang dihasilkan meliputi buku model, bahan ajar, dan Lembar Kerja Peserta Didik (LKPD) yang disusun dalam kerangka Model Spider Web. Hasil penelitian menunjukkan bahwa (1) model ini merupakan inovasi pedagogis yang efektif dalam meningkatkan HOTS peserta didik melalui integrasi aspek kognitif dan sosial dalam pembelajaran kontekstual berbasis kolaborasi antara guru, siswa, dan lingkungan; (2) hasil validasi ahli menunjukkan tingkat kelayakan yang sangat tinggi (92,5%–100%) pada seluruh komponen model; (3) keterlaksanaan model di kelas berjalan baik dengan persentase tinggi pada sintaks pembelajaran (87,5%), sistem sosial (90%), prinsip reaksi (85%), dan dampak pembelajaran (80%); serta (4) model memperoleh respon sangat positif dari guru dan siswa (97,5%–100%), disertai peningkatan signifikan antara hasil pretest dan posttest. Dengan demikian, model ini dinyatakan layak, praktis, dan efektif digunakan dalam pembelajaran di Sekolah Alam.

Kata Kunci: *Model Spider Web, Kearifan Lokal, Keterampilan Berfikir Aras Tinggi (Higher Order Thinking Skills), Sekolah Alam*

ABSTRACT

Nanda Ayu Setiawati. NIM:8216184002. Development of a Spider Web Model Based on Local Wisdom to Improve Students Higher Order Thinking Skills in Nature Schools Disertasi. Unimed 2025

This research is a development research that aims to develop, test the feasibility, practicality, and effectiveness of the local wisdom-based Spider Web Model in improving students' Higher Order Thinking Skills (HOTS) in Nature Schools. The method used is Research and Development (R&D) with the Plomp model development design. The research was conducted in three Nature Schools in Medan City, namely Jigs Nature School Elementary School, Az-Zakiah Nature School Elementary School, and Semangat Bangsa Nature School Elementary School, with fourth-grade teachers as research subjects and purposive sampling techniques. The resulting products include model books, teaching materials, and Student Worksheets (LKPD) compiled within the Spider Web Model framework. The results of the study indicate that (1) this model is an effective pedagogical innovation in improving students' HOTS through the integration of cognitive and social aspects in contextual learning based on collaboration between teachers, students, and the environment; (2) the results of expert validation show a very high level of feasibility (92.5%–100%) in all model components; (3) the implementation of the model in the classroom was good, with high percentages in learning syntax (87.5%), social systems (90%), reaction principles (85%), and learning impact (80%); and (4) the model received very positive responses from teachers and students (97.5%–100%), accompanied by significant improvements between pretest and posttest results. Thus, this model is declared feasible, practical, and effective for use in learning at the Nature School.

Keywords: Spider Web Model, Local Wisdom, Higher-Order Thinking Skills, Nature School, Contextual Learning

