

## ABSTRAK

**Tiara Putri Maharani.** 2025. *Efektivitas Model Pembelajaran Inside Outside Circle (IOC) Berbasis Media Powtoon Animated Terhadap Kemampuan Kognitif Siswa Kelas IV SD.* Skripsi. Program Studi Pendidikan Guru Sekolah Dasar, Fakultas Keguruan dan Ilmu Pendidikan, Universitas PGRI Madiun. Pembimbing (I) Dr. Fida Rahmantika Hadi, M.Pd., (II) Octarina Hidayatus Sholikhah, M.Pd.

Kemampuan kognitif merupakan kemampuan siswa untuk mengolah satu atau lebih informasi yang melibatkan proses pemahaman siswa terhadap informasi yang diterima meliputi berfokus pada keterampilan berfikir, termasuk belajar, pemecahan masalah, rasional, dan mengingat. Dalam pembelajaran Matematika kelas IV, pada indikator mengingat, memahami, menerapkan, menganalisis, mengevaluasi, mencipta siswa banyak yang belum menguasai. Penelitian ini bertujuan untuk mengetahui apakah model pembelajaran *Inside Outside Circle* berbasis media *Powtoon Animated* terhadap kemampuan kognitif siswa kelas IV SD. Subjek dalam penelitian ini adalah siswa kelas IV di SDN Bangunsari 02. Penelitian ini menggunakan pendekatan kuantitatif dengan jenis penelitian *Posttest Only Control Group Design*. Teknik pengambilan sampel yang digunakan adalah teknik random sampling, dengan jumlah sampel sebanyak 46 siswa. Instrumen penelitian terdiri dari soal *posttest* dalam mata pelajaran matematika untuk kelas IV. Hasil analisis kelas data menunjukkan adanya perbedaan hasil kemampuan kognitif siswa kelas IV sebelum dan sesudah pembelajaran menggunakan model *Inside Outside Circle (IOC)* berbasis media *Powtoon Animated*, dengan rerata nilai meningkat dari 57,60 menjadi 81,73. Uji hipotesis menunjukkan bahwa nilai  $p\text{-value} < 0,05$  yaitu  $0,00 < 0,05$ . Dengan demikian, hasil penelitian menunjukkan bahwa model pembelajaran *Inside Outside Circle (IOC)* berbasis media *Powtoon Animated* efektif terhadap kemampuan kognitif siswa kelas IV SD.

Kata Kunci: *Inside Outside Circle, Powtoon Animated, Kemampuan Kognitif*

## ABSTRACT

**Tiara Putri Maharani.** 2025. The Effectiveness of the Inside Outside Circle (IOC) Learning Model Based on Animated Powtoon Media on the Cognitive Abilities of Fourth Grade Elementary School Students. Thesis. Elementary School Teacher Education Study Program, Faculty of Teacher Training and Education, Universitas PGRI Madiun. Supervisor (I) Dr. Fida Rahmantika Hadi, M.Pd., (II) Octarina Hidayatus Sholikhah, M.Pd.

Cognitive ability is the ability of students to process one or more information that involves the process of students' understanding of the information received, including focusing on thinking skills, including learning, problem solving, rationalizing, and remembering. In fourth-grade Mathematics learning, many students have not mastered the indicators of remembering, understanding, applying, analyzing, evaluating, and creating. This study aims to determine whether the Inside Outside Circle learning model based on Powtoon Animated media has an impact on the cognitive abilities of fourth-grade elementary school students. The subjects in this study were fourth-grade students at SDN Bangunsari 02. This study used a quantitative approach with a Posttest Only Control Group Design research type. The sampling technique used was a random sampling technique, with a sample size of 46 students. The research instrument consisted of posttest questions in mathematics for fourth grade. The results of the data class analysis showed differences in the results of fourth-grade students' cognitive abilities before and after learning using the Inside Outside Circle (IOC) model based on Powtoon Animated media, with the average value increasing from 57.60 to 81.73. The hypothesis test shows that the p-value is  $<0.05$ , namely  $0.00 < 0.05$ . Thus, the results of the study indicate that the Inside Outside Circle (IOC) learning model based on Powtoon Animated media is effective for the cognitive abilities of fourth-grade elementary school students.

Keywords: *Inside Outside Circle, Powtoon Animated, Cognitive abilities*