

## Analysis of the Role of Parents in Online Learning in Class V Elementary School Mathematics Subjects in Tangerang City

Anggit DW Cahyani<sup>1</sup>, Awiria M.Pd<sup>2</sup>, Ferry Perdiansyah M.Pd<sup>3</sup>  
Universitas Muhammadiyah Tangerang, Indonesia  
E-mail: adcahyani22@gmail.com

### Abstract

*The focus of this study is to determine the role of parents as educators, motivators, role models and as friends for online learning in mathematics. The other purpose of this research is to describe how the role of parents in online learning in mathematics. This research is descriptive qualitative research. In this study using data collection with the method of observation, interviews and documentation by zoom meeting. The results of the research on the role of parents in students' online mathematics learning show that: the role of parents is very influential on students' online mathematics learning activities such as the encouragement that has been given to children is able to make children more enthusiastic in mathematics learning activities and a conducive environment can make children feel comfortable and calm during the lesson. Although there are still some parental roles that are not carried out and are still quite lacking.*

**Keywords** Role of Parents, Online, Mathematics

### INTRODUCTION

Background This problem started research by stating that children are God's gift that must be kept and given a good education. Education is considered an attempt to improve the quality of human resources. During the COVID-19 pandemic, education has been disrupted, and online learning has become a major alternative. However, online learning has its limitations, especially in subjects such as mathematics. Parents are considered to have a significant role in supporting their children during the pandemic, helping them with online learning, and encouraging learning motivation.

The focus of this study focuses on the role of parents in online learning of mathematics students in the 5th grade of Sudimara 13 Elementary School as well as the obstacles faced by parents in this online learning situation. This study aims to assess the extent to which parental roles affect students' online mathematical learning and to identify the obstacles faced by parents during online mathematical learning. The purpose of this study is to provide a deeper understanding of parents' contribution to education during the pandemic and identify the obstacles they experience in supporting their children's education.

A review of relevant literature includes three studies on the role of parents in online mathematics. The first study, conducted by Umi Sa'adah in 2020, aims to explore the role of parents in improving the mathematics learning motivation of middle school students in Lebak Village during the COVID-19 pandemic. The method used is qualitative descriptive research with research subjects focusing on parents and students. The results of this study show that parental motivation has a great impact on students' learning motivation, both at school and at home.

The second study, conducted by Laila Kanti Safitri in 2020, also examines the role of parents, but in increasing children's learning interest in online learning at SD Negeri 5 Central Metro. The study also used qualitative methods with research subjects focusing on



parents and students. The results of this study show that parents play an important role in increasing children's learning in a variety of ways, including providing facilities, giving advice, and supervising.

A third study, conducted by Siti Nur Khalimah in 2020, found out the role of parents in online learning in MI Darul Ulum Pedurungan, Semarang City. The research method used is qualitatively descriptive, with research subjects involving students, parents, and homeroom teachers. The results of this study show that parents perform a dual role as parents and teachers, providing means, spirit, motivation, and guidance to children. They also face various difficulties, including educational and economic constraints, as well as the timing of employment and child education.

In conclusion, these three studies underscore the importance of parents' role in supporting children's education during the online learning or COVID-19 pandemic. Although the focus and subjects of the study vary, these findings suggest that parents have a significant impact on motivating and increasing children's learning, both in mathematics and other subjects. Furthermore, this study provides a valuable view of the challenges parents face in supporting their children's education during online learning situations.

## **METHOD**

In this study, the approach used was qualitative with a descriptive qualitative method. A qualitative approach was chosen because the data would be presented in the form of sentence descriptions, and this study analyzed descriptive data in the form of written or spoken words from people or observed behaviors. The study focused on the role of parents in the online learning of 5th grade mathematics in Tangerang City. The data collection methods used include observations, interviews, and study documents. The validity and reliability of qualitative data depends on the competence of the researcher.

This study was conducted at SDN Sudimara 13 Tangerang in October 2021. Data were obtained from parents and students, including primary data such as observation results, interviews, and secondary data such as student math daily scores. Data analysis techniques involve data reduction, data presentation, and conclusion withdrawal. To verify the validity of the data, researchers use a variety of techniques such as objectivity, internal constraints, external constraints, and reliability. Triangulation, peer-to-peer discussions, and checking are also used to verify the validity of the data.

## **RESULTS AND DISCUSSION**

SDN Sudimara 13 is located in Ciledug, Tangerang-Banten, with 1 teacher's room and 6 classrooms divided into 2 floors and A accreditation. The vision of this school is to form an active, creative, faithful, pious, noble, healthy-minded, caring, and environmental love. The study was conducted through a zoom meeting on October 11, 2021 with data sources from parents and students. The obstacles in online learning in this school include the difficulty of following zoom meetings by all students, only a few actively participating, and the lack of parental participation.

**Parents' Role:** Parents play an important role in the online study of mathematics. They serve as educators, encouragement, role models, and friends for their children. Some parents provide good guidance, while others may have difficulty providing adequate support. It is important for parents to encourage, guide, and be a good example for their children. **Online Math Study:** Online math learning has its own challenges. Students need to have spirit, strong drive, and the ability to overcome difficulties. A conducive environment also plays an important role in supporting online learning. Some students have a high spirit of learning, while others may require extra encouragement. Difficulties in understanding mathematical materials and problem resolution are common to students, and parental encouragement can help students overcome these obstacles.

This study illustrates the complexity of online learning, and the role parents play in helping their children cope with it. While some students may have high levels of spirit and ability, others may face greater challenges. Encouragement, guidance, and a conducive environment all play an important role in helping students achieve success in online mathematics.

## CONCLUSION

The conclusion of the research on the role of parents in online learning in the 5th grade math subject of Tangerang City Elementary School is that the role of parents in online learning is important because teachers can only teach remotely. Parents should act as educators, encouragement, role models, and friends for their children. However, there are also visible obstacles. Although one parent has played a good role in educating and encouraging their child, there are still challenges in making himself a consistent role model and also in establishing a comfortable friend relationship with their child. Therefore, there needs to be more awareness and effort in maximizing the role of parents in supporting children's online learning during this pandemic.

Online learning of mathematics involves several indicators that can influence how well students accomplish online learning. These indicators include a sense of spirit, strong drive, ability to solve problems, desire to learn more, and a conducive environment. Students who have passion, encouragement, are able to solve problems, want to learn more, and are in a conducive environment tend to be more successful in online math studies. These factors play an important role in improving the motivation and quality of student learning in remote learning situations.

## REFERENCES

- Aunurrahman. (2016). *Belajar dan Pembelajaran* (5th ed.). Bandung, Jawa Barat, Indonesia: Alfabeta, CV.
- Belawati, T. (2019). *Pembelajaran Online* (1st ed.). Tangerang Selatan, Banten, Indonesia: Universitas Terbuka.
- Danim, S. (2017). *Perkembangan Peserta Didik* (5th ed.). Bandung, Jawa Barat, Indonesia : Alfabeta, CV.



- Danim, S. (2021). *Perkembangan Peserta Didik* (6th ed.). Bandung, Jawa Barat, Indonesia: Alfabeta, CV.
- Desmita. (2016). *Psikologi Perkembangan Peserta Didik* (6th ed.). Bandung, Jawa Barat, Indonesia: PT. Remaja Rosdakarya.
- Dewi, W. A. (2020, April 1). DAMPAK COVID-19 TERHADAP IMPLEMENTASI PEMBELAJARAN DARING DI SEKOLAH DASAR. *EDUKATIF: JURNAL ILMU PENDIDIKAN*, II(2), 56. Diambil kembali dari <https://edukatif.org/index.php/edukatif/index>
- Dharma, I. M., & Sudewiputri, M. P. (2021, June). Motivasi Belajar Mahasiswa pada Pembelajaran Daring Selama Pandemi Covid-19. *Jurnal Pedagogi dan Pembelajaran*, IV(2), 296. Diambil kembali dari <https://ejournal.undiksha.ac.id/index.php/JP2/index>
- Elmirawati, Daharnis, & Syahnar. (2013, february). HUBUNGAN ANTARA ASPIRASI SISWA DAN DUKUNGAN ORANGTUA DENGAN MOTIVASI BELAJAR SERTA IMPLIKASINYA TERHADAP BIMBINGAN KONSELING . *KONSELOR | Jurnal Ilmiah Konseling* , II(1), 2. Diambil kembali dari <http://ejournal.unp.ac.id/index.php/konselor>
- Fendrik, M. (2019). *Pengembangan Kemampuan Matematis Dan Habits of Mind Pada Siswa*. (N. Azizah, Penyunt.) Surabaya, Jawa Timur, Indonesia: Media Sahabat Cendekia.
- Isrok'atun, & Rosmala, A. (2018). *Model-Model Pembelajaran Matematika* (1st ed.). (B. S. Fatmawati, Penyunt.) Jakarta, DKI Jakarta, Indonesia: PT Bumi Aksara.
- K, R. G. (2020). *Pelaksanaan Pembelajaran Daring di Era Covid-19* (1st ed.). (L. Nurtika, Penyunt.) Banyumas, Jawa Timur, Indonesia: Lutfi Gilang.
- Kartikasari, S., & Habibi. (2020). *Implementasi Pembelajaran Daring di Masa Pandemi Covid-19 di Tingkat SD/MI* (1st ed.). Serang, Banten, Indonesia: Media Madani.
- KHALIMAH, S. N. (2020). *PERAN ORANG TUA DALAM PEMBELAJARAN DARING DI MI DARUL ULUM PEDURUNGAN KOTA SEMARANG TAHUN PELAJARAN 2020/2021*. Skripsi, INSTITUT AGAMA ISLAM NEGERI (IAIN) SALATIGA, PENDIDIKAN GURU MADRASAH IBTIDAIYAH, Salatiga.
- Kusumawati, N., & Maruti, E. S. (2019). *Strategi Belajar Mengajar Di Sekolah Dasar* (1st ed.). Madiun, Jawa Timur, Indonesia: CV. AE MEDIA GRAFIKA.
- Lestari, S. (2016). *Psikologi Keluarga: Penanaman Nilai dan Penanganan Konflik dalam Keluarga* (4th ed.). Yogyakarta, D.I.Y, Indonesia: Perpustakaan Nasional: Katalog Dalam Terbitan.
- Maemunawati, S., & Alif, M. (2020). *Peran Guru, Orang Tua, Metode dan Media Pembelajaran: Strategi KBM di Masa Pandemi Covid-19* (1st ed.). (T. Penerbit, Penyunt.) Serang, Banten, Indonesia: Penerbit 3M Media Karya Serang.
- Matematika, M. T. (2020). *Generasi Hebat Generasi Matematika* (1st ed.). (S. L. Pramesti, Penyunt.) Pekalongan, Jawa Tengah, Indonesia: PT. Nasya Expanding Management.
- Mawardi. (2019). *Dasar-Dasar Metodologi Penelitian* (1st ed.). (A. C, Penyunt.) Jakarta, DKI Jakarta, Indonesia: Penerbit Samudra Biru.



- Neolaka, A., & Amialia, G. (2017). Landasan pendidikan: Dasar Pengenalan Diri sendiri Menuju Perubahan Hidup (1st ed.). Jakarta, DKI Jakarta, Indonesia: Perpustakaan Nasional: Katalog Dalam Terbitan.
- Nopitasari, L. K., & Indriana, D. (2020). Peran Guru dan Peran Orang Tua Dalam Mendidik Anak Selama Masa Pandemi Covid-19 (1st ed.). Tangerang, Banten, Indonesia: Media Madani.
- Pasuhuk, N. D. (2014, Oktober). Pendidikan Keluarga Yang Efektif. *Jurnal Teologi dan Pendidikan Agama Kristen*, II(1), 70.
- Pohan, A. E. (2020). Konsep Pembelajaran Berbasis Pendekatan Ilmiah (1st ed.). Purwodadi, Jawa Tengah, Indonesia: CV Sarnu Untung.
- Pratiwi, F., Hidayah, A. N., Khairani, N., & Jannah, S. N. (2018, Juni). POTENSIA: Jurnal Kependidikan Islam. Dipetik April 07, 2020, dari Open Journal System: Universitas Islam Negeri Sultan Syarif Kasim Riau: <http://ejournal.uin-suska.ac.id/index.php/potensia/article/download/4505/3155>
- Puspitoningrum, E. (2015, Juli). Pengembangan Bahan Ajar Mendengarkan Cerita Anak Untuk Sekolah Dasar Kelas Tinggi. *Jurnal Pendidikan Nusantara*, I(1), 14.
- Ruli, e. (2020, April). Tugas dan Peran Orang Tua Dalam Mendidik Anak. *Jurnal Edukasi Nonformal*, 144.
- Ruqoyyah, S., Murni, S., & Linda. (2020). Kemampuan Pemahaman Konsep Dan Resiliensi Matematika Dengan VBA Microsoft Excel. (G. D. Rahayu, Penyunt.) Cimahi, Jawa Barat, Indonesia: CV. Tre Alea Jacta Pedagogie.
- Sadikin, A., & Hamidah, A. (2020, June). Pembelajaran Daring di Tengah Wabah Covid-19. *BIODIK: Jurnal Ilmiah Pendidikan Biologi*, VI(02), 216. Diambil kembali dari <https://online-journal.unja.ac.id/biodik>
- Safira, A. R., & Ifadah, A. S. (2020). Pembelajaran Sains dan Matematika Anak Usia Dini (1st ed.). Gresik, Jawa Timur, Indonesia: Caremedia Communication.
- Sani, R. A., Manurung, S. R., Suswanto, H., & Sudiran. (2018). Penelitian Pendidikan (I ed.). Tangerang, Banten, Indonesia: Tira Smart.
- Sarwa. (2021). Pembelajaran Jarak Jauh: Konsep, Masalah dan Solusi (1st ed.). (M. Dr. H. Masduki Duryat, Penyunt.) Indramayu, Jawa Barat, Indonesia: CV. Adanu Abimata.
- SUGIYANTI. (2016). BIMBINGAN ORANG TUA DALAM MENDIDIK IBADAH SHALAT PADA ANAK USIA DINI DI DESA JA'AN KECAMATAN GONDANG KABUPATEN NGANJUK. INSTITUT AGAMA ISLAM NEGERI TULUNGAGUNG, Fakultas Tarbiyah dan Ilmu Keguruan. Tulungagung: IAIN Tulungagung: Institutional Repository.
- Sutiah. (2016). Teori Belajar dan Pembelajaran (1st ed.). Sidoarjo, Jawa Timur, Indonesia: Nizamia Learning Center.
- Sutriyanti, N. K. (Penyunt.). (2020). Menyemai Benih Dharma Perspektif Multidisiplin (Vol. I). Talakar, Sulawesi Selatan, Indonesia: Yayasan Ahmar Cendekia Indonesia. Dipetik July 28, 2023
- Unaenah, E., & Rini, C. P. (2017). Pembelajaran Matematika Kelas Rendah (1st ed.). Tangerang, Banten, Indonesia: FKIP UMT Press.



- Widyastuti, A. (2021). *Optimalisasi Pembelajaran Jarak Jauh (PJJ), Daring Luring, BdR.* (J. Suzana, Penyunt.) Jakarta, DKI Jakarta, Indonesia: PT Elex Media Komputindo.
- Wiryanto. (2020, Mei). PROSES PEMBELAJARAN MATEMATIKA DI SEKOLAH DASAR DI TENGAH PANDEMI COVID-19. *Jurnal Review Pendidikan Dasar: Jurnal Kajian Pendidikan dan Hasil Penelitian*, VI(2), 2.
- Yusuf, S., & Sugandhi, N. M. (2018). *Perkembangan Peserta Didik* (8th ed.). Depok, Jawa Barat, Indonesia: PT. Rajagrafindo Persada.