ABSTRAK

Victoria Luna Terang Lotussa, 2021, ***Sistem Informasi Monitoring Active Edu Untuk Anak Berkebutuhan Khusus Autism Spectrum Disorder (ASD) Berbasis Website (Studi Kasus : Cinta Ananda Sentra Pendidikan Malang)***, Tugas Akhir, Program Studi Teknik Informatika (S1), STIKI – Malang, Pembimbing : Addin Aditya, S.Kom., M.Kom.

**Kata Kunci** : Sistem Informasi, Monitoring, Anak Berkebutuhan Khusus*, Autism Spectrum Disoder,* Website, *Active Edu*.

*Autism Spectrum Disorder* (ASD) atau autisme adalah gangguan perkembangan otak yang memengaruhi kemampuan penderita dalam berkomunikasi dan berinteraksi dengan orang lain. Selain itu, autisme juga menyebabkan gangguan perilaku dan membatasi minat penderitanya. Model pendidikan anak autisme terbagi menjadi dua, layanan pendidikan awal yang terdiri dari program terapi intervensi dan program terapi penunjang dan layanan pendidikan lanjutan yang terdiri dari kelas transisi dan program pendidikan inklusi. Dari hasil survey yang didapat, orang tua mengalami kesulitan memahami perkembangan anak autisme secara terperinci dan signifikan. Pengajar juga mengalami kesulitan dalam memonitoring kegiatan bina diri anak autisme di rumah bersama orang tua dikarenakan anak autisme masih memerlukan perhatian khusus dari kedua belah pihak. Tujuan dari pembuatan sistem informasi ini adalah menjembatani pengajar dan orang tua dalam memonitoring perkembangan anak autisme. Sistem informasi ini menyajikan perkembangan anak autisme dalam bentuk observasi gejala anak, grafik perkembangan mingguan dan bulanan serta laporan perkembangan anak autisme. Sistem informasi ini juga menyajikan fitur tugas rumah yang berfungsi membantu pengajar dalam memonitoring kegiatan bina diri anak di rumah bersama orang tua dikarenakan kerja sama antara pengajar dan orang tua, baik di sekolah ataupun di rumah sangat penting.

ABSTRACT

Victoria Luna Terang Lotussa, 2021, ***Active Edu: A Web-Based Monitoring System For Children With Autism Spectrum Disorder (Case Study: Cinta Ananda Education Center Malang)***, Final Project, Informatics Engineering Study Program (Bachelor Degree), STIKI – Malang, Supervisor : Addin Aditya, S.Kom., M.Kom.

Keywords : Information Systems, Monitoring, Children with Special Needs, Autism Spectrum Disoder, Website, Active Edu.

Autism Spectrum Disorder (ASD) or autism is a brain development disorder that affects the sufferer's ability to communicate and interact with others. In addition, autism also causes behavioral disorders and limits the interests of the sufferers. The educational model for children with autism is divided into two, early education services consisting of intervention therapy programs and supporting therapy programs and further education services consisting of transitional classes and inclusive education programs. From the survey results obtained, parents have difficulty understanding the development of children with autism in detail and significantly. Teachers also have difficulty in monitoring, self-development activities for children with autism at home with their parents because children with autism still require special attention from both parties. The purpose of making this information system is to bridge teachers and parents in monitoring the development of children with autism. This information system presents the development of children with autism in the form of observation of children's symptoms, weekly and monthly development charts and reports on the development of children with autism. This information system also provides a homework feature that functions to assist teachers in monitoring children's self-development activities at home with their parents because cooperation between teachers and parents at school and at home is very important.