

# **Analisis Implementasi Metode UCD dalam Perancangan Sistem Pembelajaran Bahasa Ekspresif untuk Digunakan Terapis Wicara Terhadap Penyandang Sindrom Asperger**

**Zaid Mukhtar, Anisa Herdiani, M. T., Emil R.Kaburuan, DT.,MA.,Ph.D**

Fakultas Informatika, Universitas Telkom, Bandung

idmukhtar@gmail.com, anisaherdiani@telkomuniversity.ac.id, ekaburuan@gmail.com

---

## **Abstract**

Asperger's Syndrome is a disorder that shows the uniqueness of behavior, ways of thinking, and communicating. They have difficulties in communicating, reading body language, it is difficult to understand emotions and also express emotions, these problems will interfere in the life of the person with Asperger if it is not addressed early. Mitigation that can be done is in the form of therapy, the therapy is speech therapy. therapy is carried out to develop the ability of people with Asperger's Syndrome to communicate with other individuals and to make two-way communication that are difficult task for people with Asperger's Syndrome. With the development of existing technology, emerge technology that can help speech therapy activities, but there still a few technology that are developed specifically to accompany speech therapy activities is a major concern, whether the technology development process for people with Asperger's Syndrome and speech therapy has obstacles, or methods the development of the technology used is still not appropriate? In this study, the development of an expressive language learning system for speech therapists with Asperger's syndrome when therapy activities are carried out, system development uses the User Centered Design (UCD) method, which is the development method where the main user of the system is the center user needs and evaluation in a very important position. The researcher aimed to analyze whether the UCD method was the right method to use and also looked at its Usability factor for therapist users and those with Asperger's Syndrome. The results achieved are in the form of a system prototype / application of expressive language learning that can be used by speech therapists toward persons with Asperger's syndrome, after evaluation has the results of good usability criteria and can help the speech therapy activities

**Keywords: Asperger's Syndrome, User Centered Design, Usability**