

# **GAMBARAN *SENSORY PROFILE* PADA ANAK *DOWN SYNDROME* DI *SPECIAL OLYMPICS* INDONESIA**

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## **Abstrak**

**Latar Belakang :** *Down syndrome* merupakan kelainan genetik yang disebabkan oleh adanya kromosom tambahan pada kromosom 21 atau yang dikenal sebagai *trisomy 21*. *Sensory Profile* merujuk pada pola bagaimana individu memberikan respons terhadap rangsangan sensorik yang ditemui dalam kehidupan sehari-hari. Hal ini dipahami sebagai suatu kerangka kerja yang menggambarkan interaksi antara ambang batas neurologis dengan respons perilaku, sehingga dapat menjelaskan bagaimana seseorang memproses informasi sensorik

**Tujuan Penelitian :** untuk mengetahui gambaran *sensory profile* pada anak *down syndrome* berdasarkan karakteristik usia, jenis kelamin, fungsi kognitif, kualitas hidup, keseimbangan fungsional.

**Metode Penelitian:** deskriptif kuantitatif digunakan dalam penelitian ini dengan teknik pengambilan data menggunakan kuisioner *short sensory profile 2* dengan jumlah sampel 58 anak *down syndrome special olympics* Indonesia.

**Hasil Penelitian:** Mayoritas anak *down syndrome* di *special olympics* indonesia memiliki profil sensori yang berada pada *kategori just like majority of others* namun terdapat juga variasi respons sensori pada kategori sensori tertentu.

**Kesimpulan :** secara keseluruhan, karakteristik usia, jenis kelamin, fungsi kognitif, kualitas hidup dan keseimbangan fungsional berada pada kategori normal.

**Kata Kunci :** *Sensory Profile; Short Sensory Profile 2; Down Syndrome; Fisioterapi*

# OVERVIEW OF SENSORY PROFILE IN CHILDREN WITH DOWN SYNDROME AT SPECIAL OLYMPIC INDONESIA

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## Abstract

**Background:** Down syndrome is a genetic condition caused by an additional copy of chromosome 21, commonly referred to as trisomy 21. The Sensory Profile refers to an individual's patterns of behavioral responses to sensory stimuli encountered in daily life. This concept is understood as a framework describing the interaction between neurological sensory thresholds and behavioral responses, providing an explanation of how individuals process sensory information.

**Research Objective:** This study aims to identify sensory profile characteristics in children with Down syndrome based on age, sex, cognitive function, quality of life, and functional balance. **Method:** A quantitative descriptive design was applied in this study. Data were collected using the Short Sensory Profile 2 (SSP-2) questionnaire. The sample consisted of 58 children with Down syndrome registered under Special Olympics Indonesia.

**Results:** The majority of children with Down syndrome in Special Olympics Indonesia demonstrated sensory profiles within the "Just Like the Majority of Others" category. However, variations in responses were still observed in certain sensory domains. **Conclusion:** Overall, age, sex, cognitive function, quality of life, and functional balance were found to fall within the normal range.

**Keywords:** *Sensory Profile; Short Sensory Profile 2; Down Syndrome; Physiotherapy*