

## STOMATOGNATIC

### RATA-RATA WAKTU ERUPSI GIGI INSISIVUS PERMANEN PADA ANAK-ANAK PENDERITA GANGGUAN AKIBAT KEKURANGAN YODIUM (GAKY)

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#### ABSTRACT

*Iodine deficiency syndrome is seriously problem. This syndrome can affect the growth of body that is cretinism. The characterized of cretinism are mentally disorder, delayed bone and tooth growth, and motoric function disorder. Tooth eruption disorder causes the evidence of malocclusion, chewing, speech, and esthetic disorder. The purpose of the study is identify the eruption of permanent incisor on patients who have iodine deficiency syndrome. This study is observational cross-sectional. The subject of the study are the students of elementary school in Puger district, Jember regency. The area was divided into three areas. The examination of tooth eruption was conducted by study that is the eruption of tooth which has been erupted below 3 mm onto gingival margin from incisal edge. Data was analyzed using t-test. The result of the study showed that, the eruption of permanent incisor on children who have iodine deficiency syndrome were later significantly than that of normal children.*

**Key words:** GAKY, Tooth eruption, Iodine

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#### PENDAHULUAN

Masalah GAKY merupakan masalah serius karena diperkirakan pada saat ini terdapat sekitar 42 juta penduduk Indonesia tinggal di daerah miskin yodium. Prevalensi penderita GAKY hasil survey Nasional Gondok Endemik 1980-1982, diperkirakan di Indonesia kini telah terjadi defisit tingkat kecerdasan sebesar 140 IQ points. Defisit tersebut diyakini sebagai penghambat kelancaran wajib belajar sembilan tahun. Lebih jauh lagi telah diidentifikasi bahwa para penderita GAKY memiliki produktivitas yang rendah sehingga dapat mengurangi penghasilan 15%.<sup>1</sup>