



ORAL DISEASES

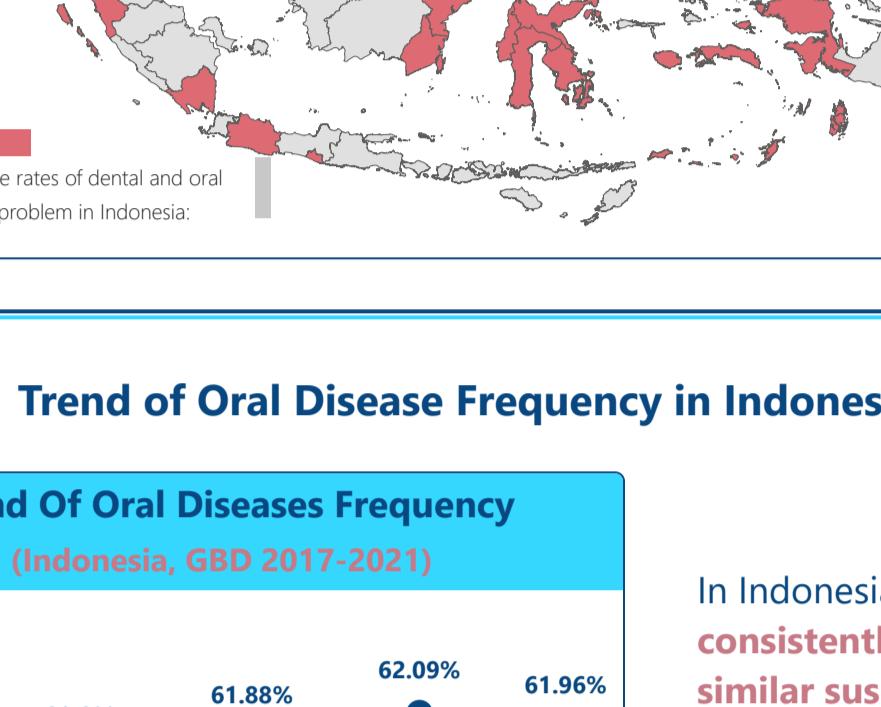
- Global and Indonesia -

Team 9 Skilvul Innovation Challenge 2024

Indonesia faces a **significant challenge** in dental and oral diseases. **Public awareness** regarding the importance of regular dental check-ups remains **low**. Furthermore, the **high cost of dental check-ups** remains a significant barrier to achieve optimal oral health outcomes.

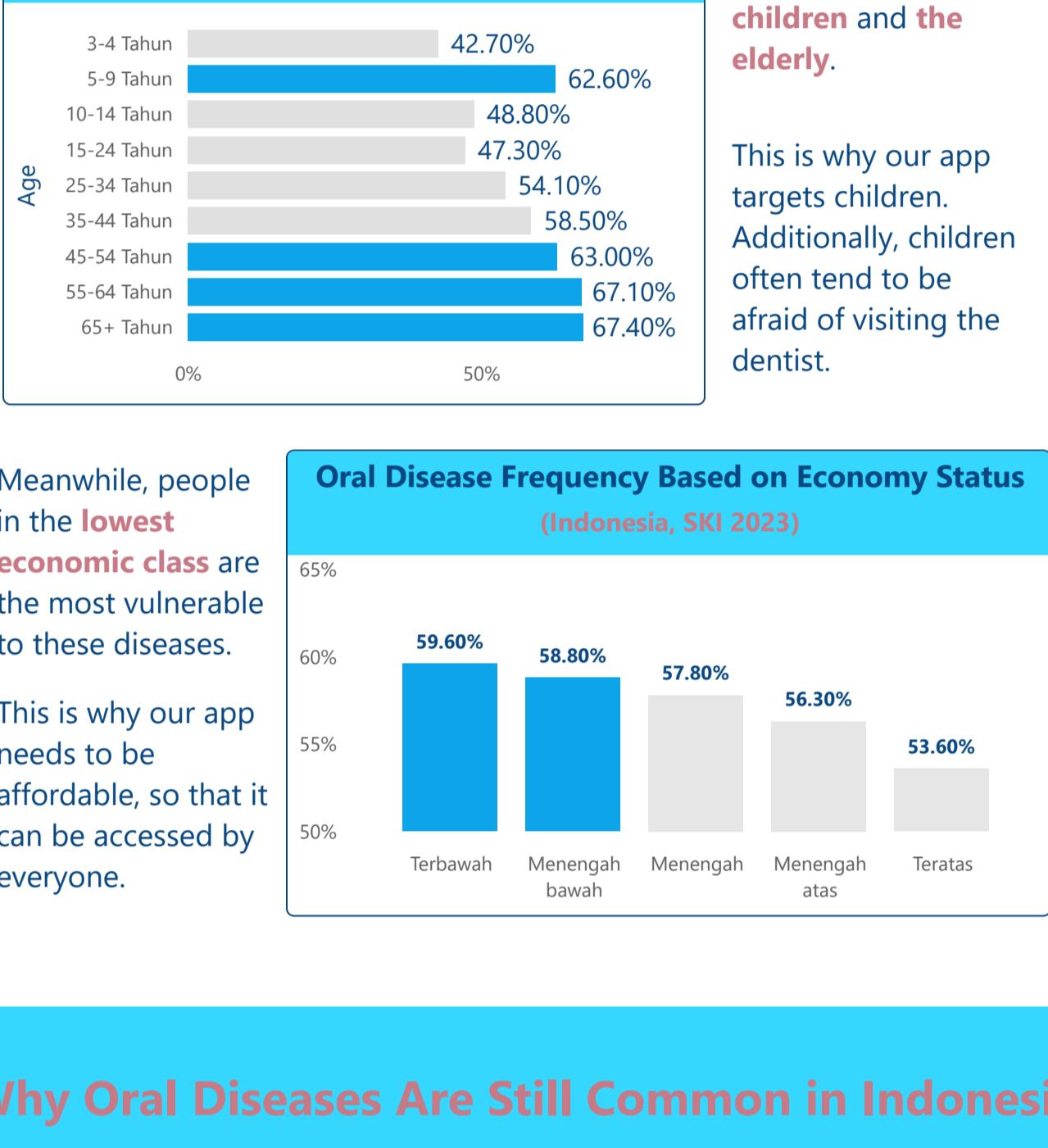
Oral Diseases Have Become a Serious Problem

According to WHO, **45%** of the **global population** is susceptible to oral diseases. Meanwhile, **6 out of 10 Indonesians or 57%** have **dental and oral problems**.



Oral Diseases Frequency Heatmap

Estimated rates of dental and oral health problem per country (Global, GBD 2021)

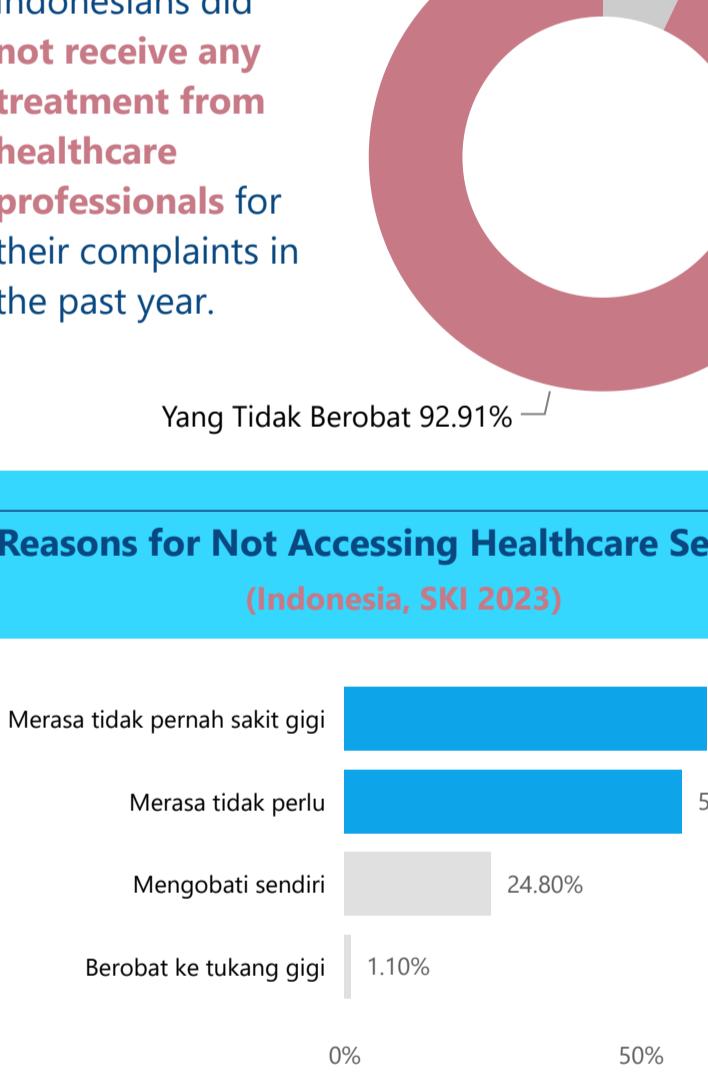


17 out of 38 provinces in Indonesia have **higher** susceptibility to dental and oral diseases **than the national average**.

Provinces With Higher Rates of Dental and Oral Health Problems Than The National Average (Indonesia, SKI 2023)

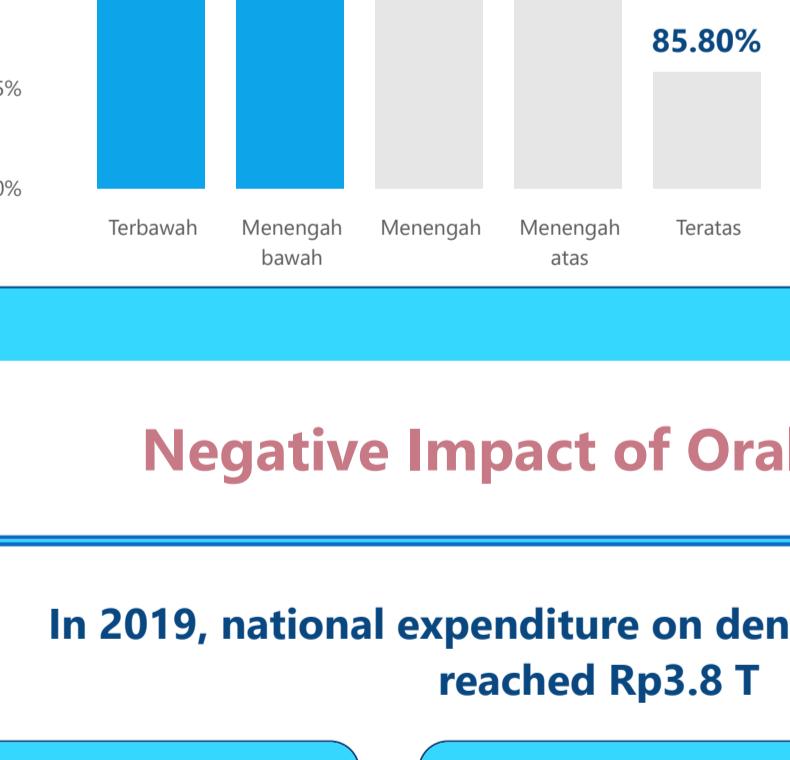


Trend of Oral Disease Frequency in Indonesia



In Indonesia, oral diseases consistently show similar susceptibility rates each year, indicating a lack of significant solutions in addressing dental and oral issues.

Children, the Elderly, and Economically Disadvantaged Communities are the Most Vulnerable to Oral Health Issues

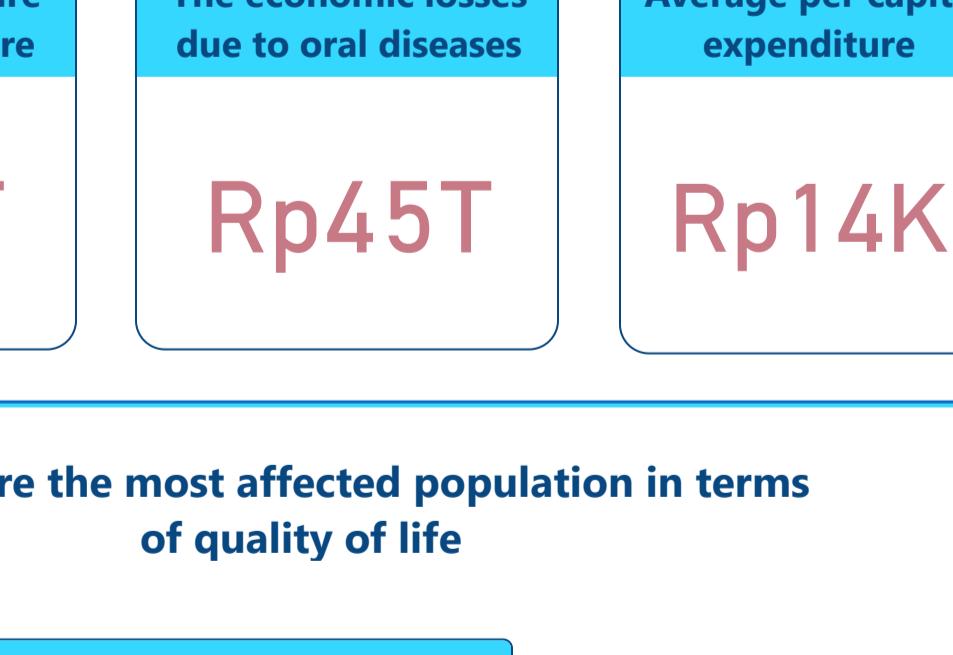


Oral diseases issues are most common in children and the elderly.

This is why our app targets children. Additionally, children often tend to be afraid of visiting the dentist.

Meanwhile, people in the **lowest economic class** are the most vulnerable to these diseases.

This is why our app needs to be affordable, so that it can be accessed by everyone.



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Why Oral Diseases Are Still Common in Indonesia

Brushing Your Teeth Isn't Enough



Despite the high frequency of oral diseases in Indonesia, many people still brush their teeth regularly, use toothpaste, and have their own toothbrush. However, this doesn't guarantee they are free from these diseases.

3 Biggest Risk Factors for Oral Diseases

Sugar consumption, Smoking habits, and Alcohol consumption

The Indonesian population consumes an average of **70 grams of sugar per day**, with **active smokers** making up about **one-third of the total population**, and an average **alcohol consumption of 0.2 liters per capita per year**. This is what motivates us to promote the importance of maintaining oral health.

Meanwhile, people in the **lowest economic class** are the most vulnerable to these diseases.

This is why our app needs to be affordable, so that it can be accessed by everyone.

Data also shows that lower and middle-income groups are more likely not to access dental health services.

Feeling unnecessary to seek treatment is the second highest

According to SKI 2023 data, **93%** of Indonesians did **not receive any treatment** from healthcare professionals for their complaints in the past year.

The main reasons people are reluctant to seek treatment are that they feel they never have dental problems and that they don't think it's necessary.

Percentage of Impact of Oral Diseases on Quality of Life Based on Age (Indonesia, SKI 2023)

Children are the most affected population in terms of quality of life, such as missing school, unable to play, or unable to engage in activities.

Ours Solution

SENYUMMU

App to provide easy and affordable access for all segments of society to monitor and improve their dental health independently, supported by cutting-edge, revolutionary, and innovative AI technology