

## Development Issues Concerned in Infrastructure Management in the Target Country

- The quality of road pavements is not sufficient, as pavement damage is noticeable everywhere, even on the main road networks throughout the city.
- Current road maintenance and repair works are often conducted by temporary measures and it is not a long-lasting solution for road maintenance and repair works. Therefore; it can be deduced that improvement on the construction method for maintenance and repair is necessary.

## Survey Outline

- **Project Period:** July 3rd, 2023 – September 30<sup>th</sup>, 2025
- **Target Area :** Java, Sumatra, Kalimantan in Indonesia
- **Project Summary:**

This project is aiming at the standardization of cement and asphalt emulsion stabilizer method, an exceptional Japanese road repair technology, as a new road repair

construction method, to encourage the use of cement and asphalt emulsion stabilizer method and road stabilizers (PM550-s).

## How to Achieve the Development Issues (Business Model)

- Encourage government bodies to procure road stabilizers and adopt the application of CAE method. Subsequently, we will market road stabilizers (PM550-s) to state-run enterprises and private construction companies, conducting sales, servicing and training.
- Our distribution channel begins with manufacturing by PT SAKAI INDONESIA, sales of machines by SAKAI SALES AND SERVICES to distributors, whom then supplies and services state-owned and private construction companies.

## Proposed Products/Technologies

### Products : Road stabilizer PM550-s

- PM550-s's appropriate design (dedicated nozzle/operator visibility) for CAE method prevents uneven mixing.
- Equipped with the function of side shift (left and right) to handle various road conditions.

### Technologies : Cement and asphalt emulsion stabilizer method (CAE method)

- It is a pavement method that creates a new durable recycled sub-base course by mixing cement, asphalt emulsion and existing sub-base course material, thereby saving resources.
- By improving the strength and durability of the sub-base course and reducing the frequency of road cracks and rutting.



## Expected Outcomes in the Target Country (Development Effects)

The project aims to improve the quality, durability and sustainability of roads in Indonesia's infrastructure development by rehabilitating and stabilizing deteriorated roads with cement and asphalt emulsion stabilizer method and the use of road stabilizers (PM550-s)