



ibis Budget – Makassar Airport

Smart choice economy hotel, open to everyday adventurers

Located in the heart of Sultan Hasanuddin Airport, it offers simple and functional new bedding of 119 new cocoon rooms.

Installation Details

- Location: Ibis Budget - Makassar Airport Indonesia
- Model:  S25
- Area: Guest rooms — bathroom water heating elements
- Installer: PT Biosolutions www.biosolutions.co.id

"Before" Vulcan Installation

Several rooms were monitored before Vulcan was installed and had large amounts of scale chunks on the heating element and at the reservoir sump (see pictures 2 & 3). Vulcan was installed at the main incoming water line to eliminate this problem (see picture 1).



Picture 1. Vulcan installation process at the main incoming water line.



Pictures 2 & 3. Scale previously coating the heating element and reservoir sump. (Picture taken from one of the rooms at IBMA hotel)

"After" Vulcan Installation

Scale gradually disappeared from the elements and reservoir sump. After 3 months scale is entirely gone from water heater elements and the reservoir sump.

Vulcan has shown to successfully reduce time, energy and capital required by the hotel for water system maintenance. All pictures were taken from one out of ten rooms that were monitored before and after Vulcan was installed, and all rooms' water heater elements were also found to be free of scale.



Pictures 4 & 5. Three weeks after Vulcan installation, initial scale has been eliminated.



Pictures 6 & 7. Twelve weeks after Vulcan installation, no scale at all.