



NASHRAH HANI

JAMADON

Senior Lecturer (Dr.)

RESEARCH

Undergone 10 years' experience in research works. Involve directly with academia-industry collaboration. Research interests include advanced joining technology, brazing and soldering, material characterization and processing. In addition, actively conducting research in the field of metallurgy and biomaterials.

ACADEMIC QUALIFICATIONS

- **B.Eng.** (Mech.) Kyoto Institute of Technology, Japan (2009)
- **M.Eng.** (Mech.) Kyoto Institute of Technology, Japan (2011)
- **Ph.D.** (Mech.) University of Malaya, Kuala Lumpur (2017)

EXPERTISE

Joining Technology
Metallurgy (Powder Metallurgy, Additive Manufacturing)
Advanced Material Processing

RESEARCH GROUP

- Precision Research Group UKM (PERSIS)

For list of publications and current research grants, please click [UKM Sarjana](#).

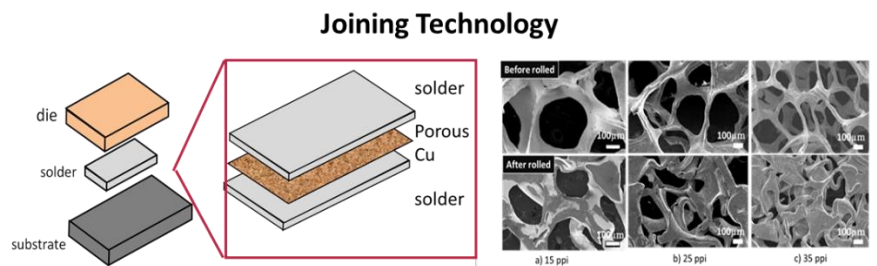
[UKM Sarjana](#)

CONTACT

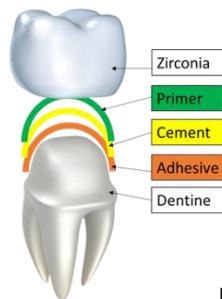
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RESEARCH AT A GLANCE



Addition of interlayer in solder joint



Bonding reliability

- Microstructural integrity
- Bond strength
- Interfacial reaction

Observation element

- Irregularities in the primer and adhesive cement
- Micromechanical interlocking and chemical adhesion
- Diffusional reaction at bonding interface

Bonding reliability of zirconia-dentine

Powder Metallurgy

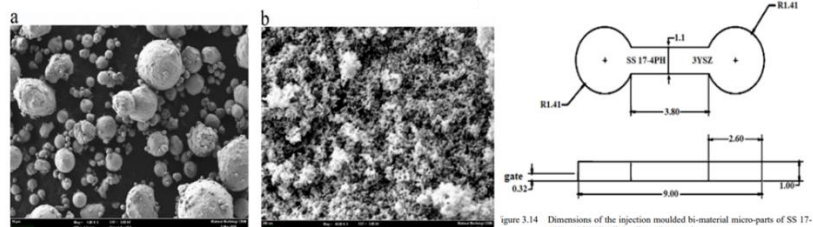


Figure 3.14. Field Emission Scanning Electron Microscopy (FESEM) micrographs of: (a) SS 17-4PH; and (b) 3YSZ powder.

Powder metallurgy of bi-material micro-part