

Kuat rekat geser breket metal buatan Cina yang tersedia di dental supplier Jakarta = Shear bond strength of available China metal bracket in dental supplier Jakarta

Fanny Anduari Dianty, author

Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=20421425&lokasi=lokal>

Abstrak

[ABSTRAK

Penelitian ini bertujuan untuk membandingkan kuat rekat geser dan Adhesive Remnant Index (ARI) dua produk breket metal yang direkatkan dengan satu adesif. Dua puluh gigi premolar atas manusia ditanam pada silinder PVC dengan resin akrilik. Spesimen dibagi menjadi dua kelompok, kelompok A: breket metal 3B, Cina + Transbond XT; kelompok B: breket metal Protect, Cina + Transbond XT (3M, Unitek, Amerika). Dihasilkan rerata kuat rekat geser 6,09 dan 7,91 MPa pada kelompok A dan B ($p < 0,05$) dan nilai ARI: 1 dan 2 pada kedua kelompok ($p > 0,05$). Disimpulkan bahwa dua kelompok memiliki nilai kuat rekat geser yang berbeda bermakna dengan kegagalan ikatan bersifat kohesif

ABSTRACT

The aims of this study were to compare in vitro shear bond strength (SBS) and Adhesive Remnant Index (ARI) of two metal bracket products bonded with an adhesive material. Twenty human upper first premolar embedded in acrylic resin. Specimens were divided into two groups, Group A: 3B, China metal bracket + Transbond XT; Group B: Protect, China metal bracket + Transbond XT (3M, Amerika). The mean SBS for Group A and B were 6,09 dan 7,91 MPa and ARI: 1 and 2 ($p > 0,05$). It was concluded that the SBS of two groups was significantly different with cohesive bond failure.;The aims of this study were to compare in vitro shear bond strength (SBS)

and Adhesive Remnant Index (ARI) of two metal bracket products bonded with an adhesive material. Twenty human upper first premolar embedded in acrylic resin. Specimens were divided into two groups, Group A: 3B, China metal bracket + Transbond XT; Group B: Protect, China metal bracket + Transbond XT (3M, Amerika). The mean SBS for Group A and B were 6,09 dan 7,91 MPa and ARI: 1 and 2 ($p > 0,05$). It was concluded that the SBS of two groups was significantly different with cohesive bond failure., The aims of this study were to compare in vitro shear bond strength (SBS)

and Adhesive Remnant Index (ARI) of two metal bracket products bonded with an adhesive material. Twenty human upper first premolar embedded in acrylic resin. Specimens were divided into two groups, Group A: 3B, China metal bracket + Transbond XT; Group B: Protect, China metal bracket + Transbond XT (3M, Amerika). The mean SBS for Group A and B were 6,09 dan 7,91 MPa and ARI: 1 and 2 ($p > 0,05$). It was concluded that the SBS of two groups was significantly

different with cohesive bond failure.]