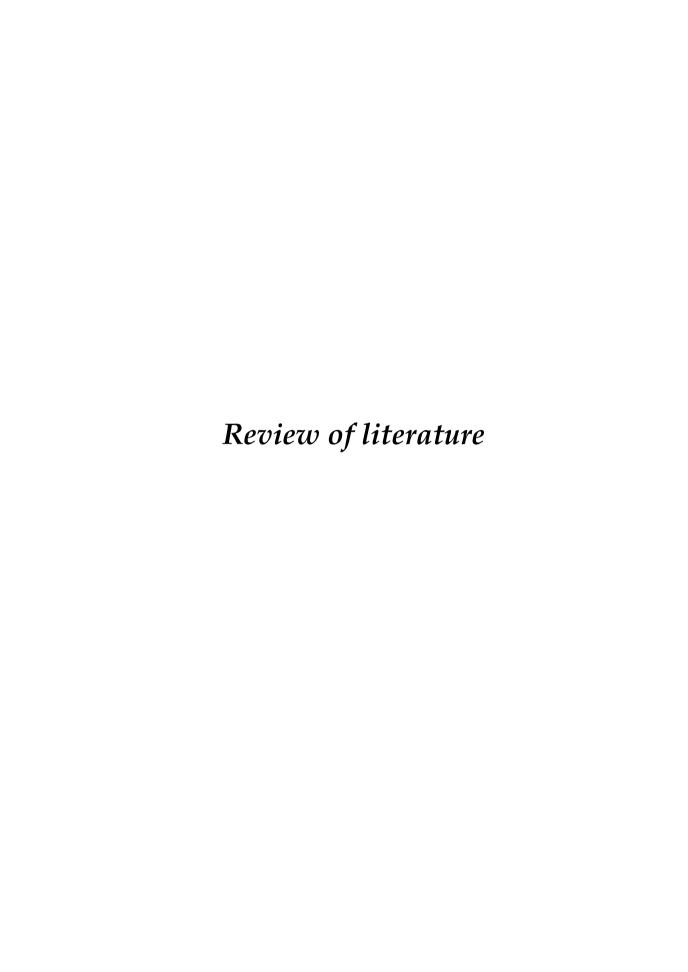
# بسم الله الرحمن الرحيم

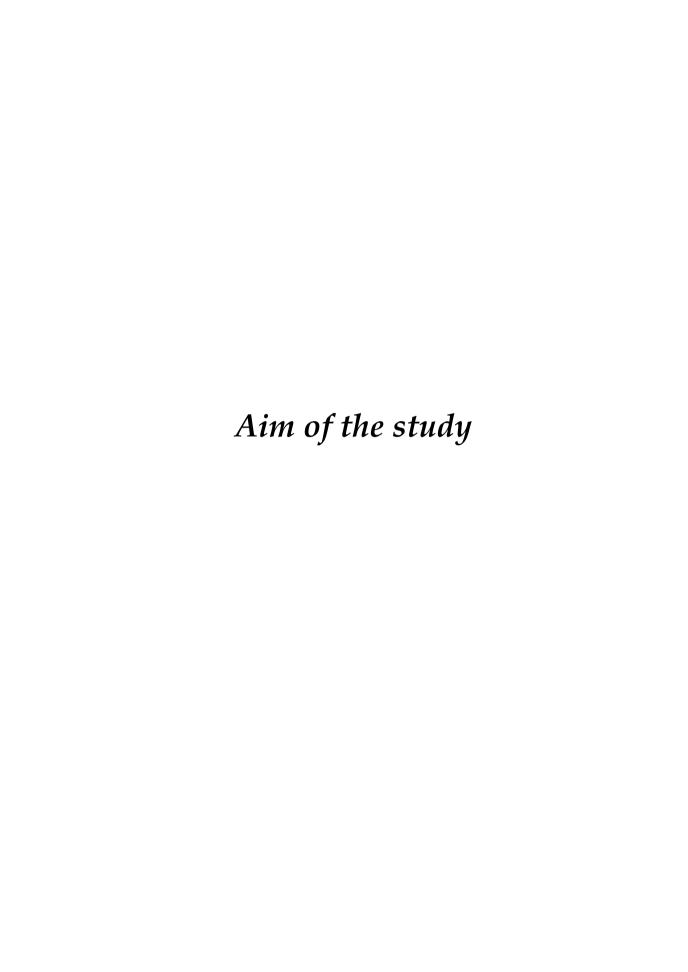
قَالُوا سُنْهَ اللَّهِ لَا كِلْهِ لَنَا إِلَّا مَا مَلَّهُ اللَّهِ الْهَا إِنَّاكَ أَنْتُ الْعَلِيمُ الْعَلِيمُ

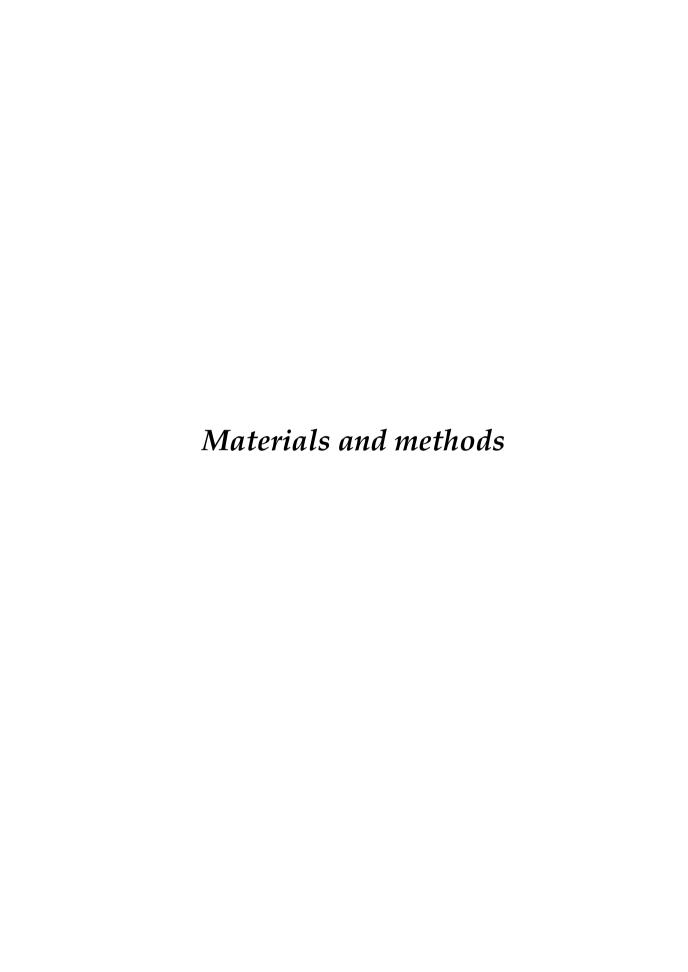
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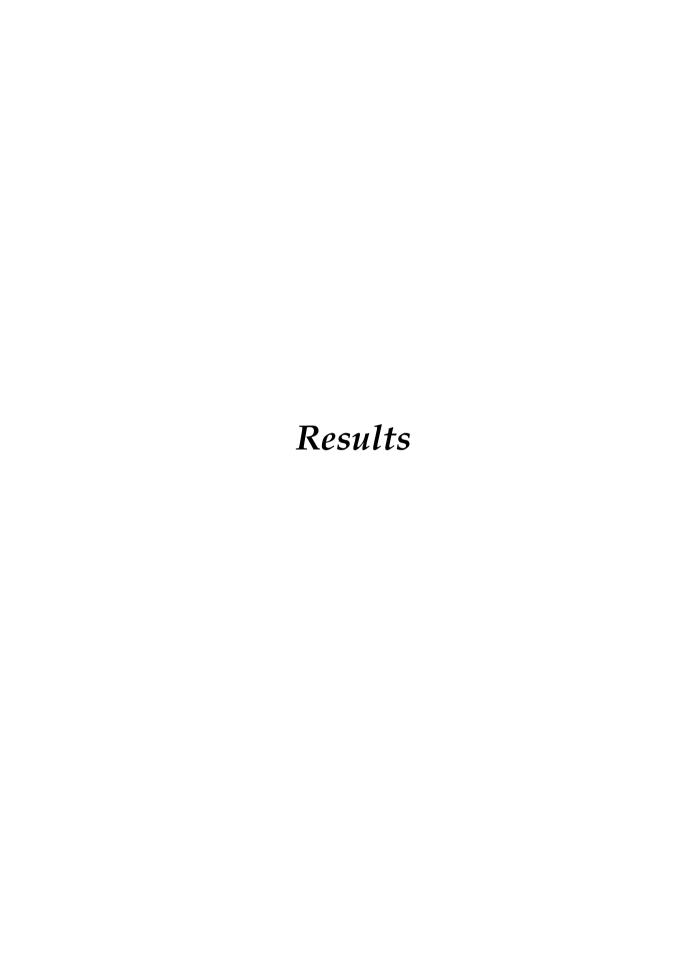
سورة البقرة - الآية (32)

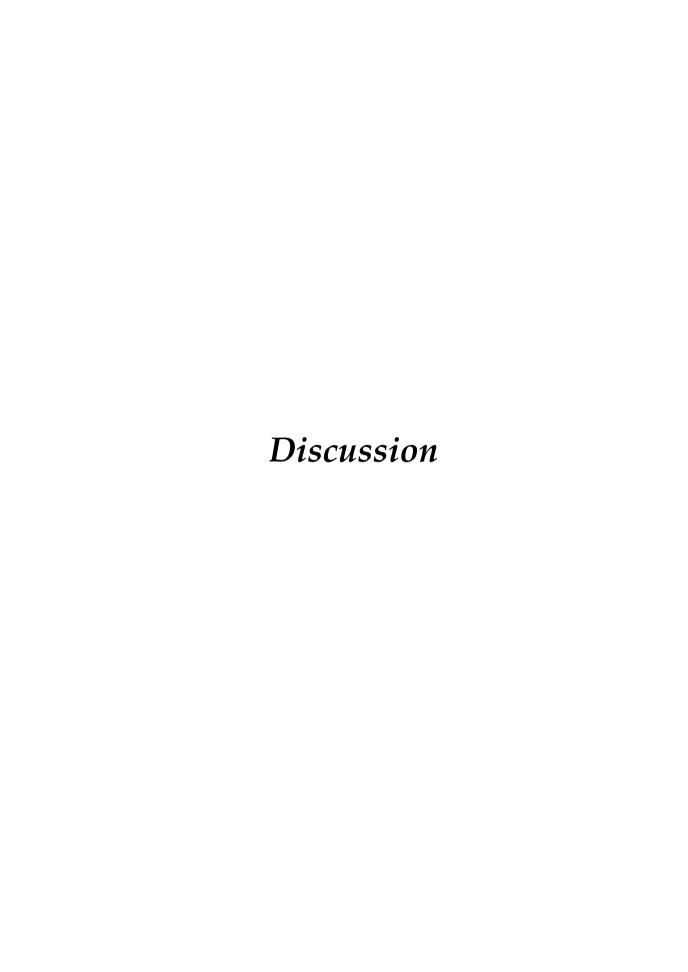


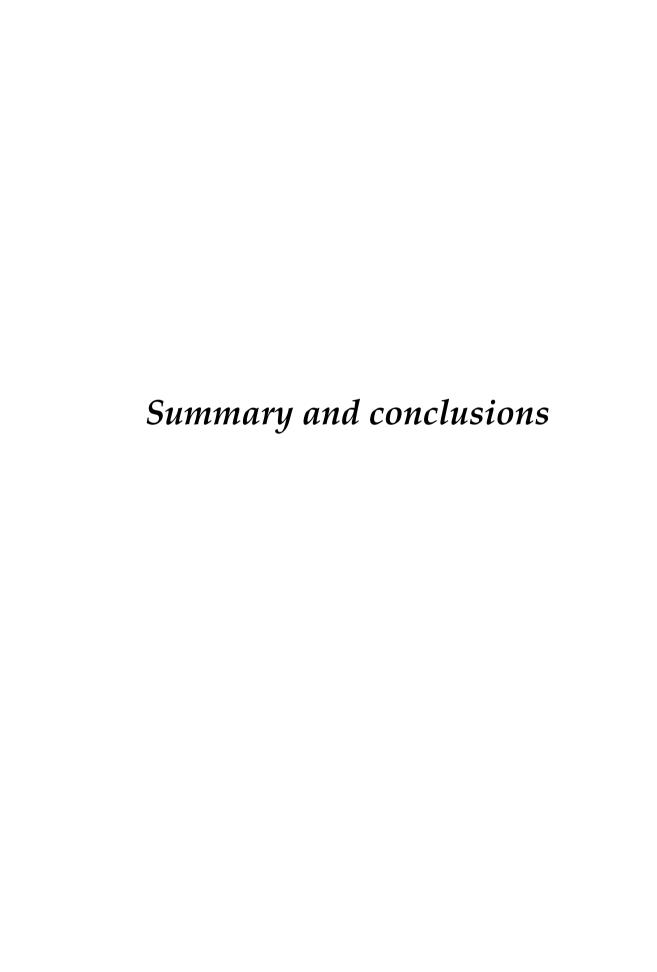


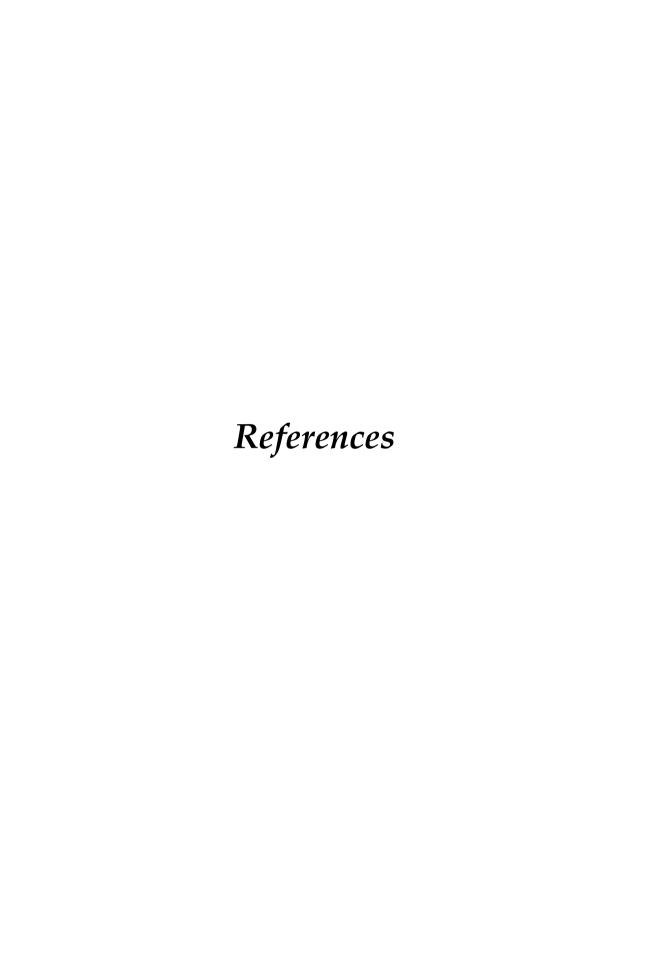


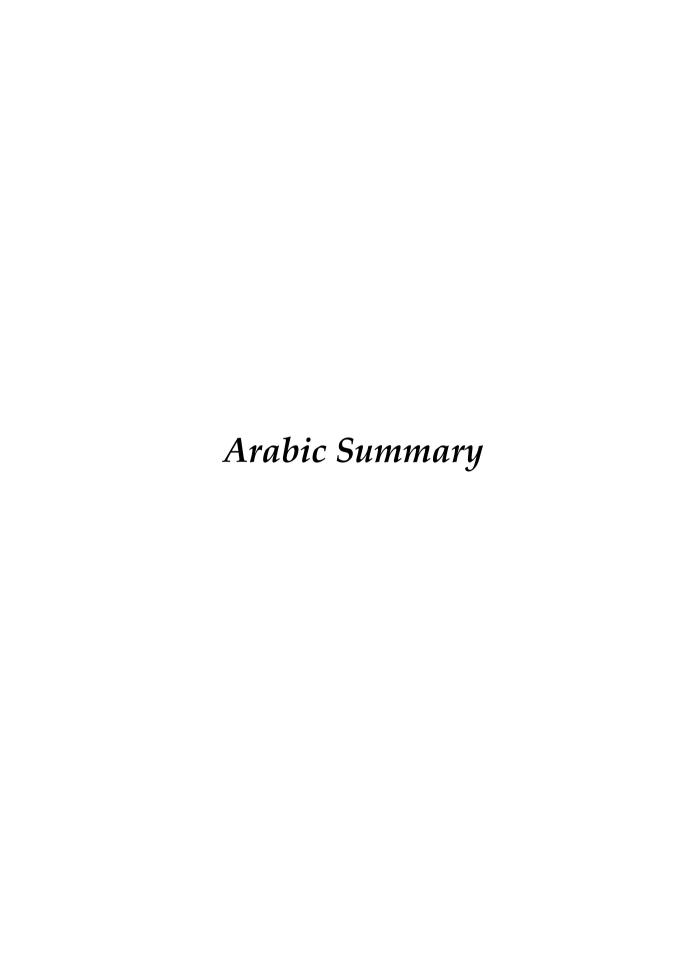
















## Remineralization of Acid Etched Dentin Using Portland Cement and Phosphate Containing Fluids

#### **THESIS**

Submitted to Faculty of Dentistry, Ain-Shams University In partial fulfillment of the Requirements for the Degree of Doctor Philosophy in Biomaterials Science.

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Huda Ahmed El Gindi

#### **Dedication**

This thesis is dedicated to the three top heads of my life, my parents, spouses, and nephews.

First, to my PARENTS who made me believe in the richness value of learning that can easily carry me to the trajectory of success.

Second, to **HANAA** my beloved sister who is the back bone of my family, coupled with my spouses.

Finally, to the fruitful future of my family **Ahmed**, and **Abdelrahman**.

Huda Ahmed El Gindi