



CONCLUSION AND SUGGESTIONS

Conclusion

Based on in vitro analysis, it proves that HA and BCP powder which was synthesized in IPB Biophysics Laboratory was nontoxic through MTT analysis. So, it is possible to examine for further analysis through in vivo. Cells viability exposed by bone implants was higher than those which were not exposed by any bone implants. This result means that bone implants could be act as extra cellular matrices which induced the cells growth. The interaction between cells and implants were further proved by SEM photos. That interaction was the attachments cells on the implants which cover almost all implant structure.

Suggestions

Osteocalcification that secret protein collagen need to be proved by analysis of alkaline phosphatase (ALP) activity which can measure protein content in cells culture (Kim *et al* 2005). In vitro procedures need particular skill and carefulness in order to avoid contamination to the cells.

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