



SDI Review Form 1.6

Journal Name:	Journal of Pharmaceutical Research International
Manuscript Number:	Ms_JPRI_59691
Title of the Manuscript:	Anti-bacterial activity of mouthwash incorporated with silica nanoparticles against oral pathogens: An in-vitro study
Type of the Article	Original research

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/journal/10/editorial-policy>)



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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	<ol style="list-style-type: none"> 1. There are total of 5 objectives in this manuscript. The objectives are all general and not to specific. In addition, this paper does not cover all objectives. Therefore, it is advisable to rewrite the only objective related to this work which is on the investigation of the anti-bacterial activity or mouthwash by incorporating the silica nanoparticles (SiNP) against the oral pathogens. The written objective can be in one paragraph, together with the expectation from this work. 2. In Materials and method section: <ol style="list-style-type: none"> i. Materials should be written separately and has its own subsection. List down all materials that being used for this work, its properties and also the supplier or where does the materials can be obtained. ii. For the preparation of the SiNP, please state the time (how long) required for the pellet to dry. iii. Study method can be also describe as materials characterization. Under the materials characterization, explain in detail the parameter, techniques and equipment used especially the XRD. Then, the next subsection describe the minimum inhibitory bactericidal concentration. 3. Results and Discussion: <ol style="list-style-type: none"> i. Some of the statement is not arrange accordingly to the test activity. It is best to write all the information or finding related to the test activity under one section. Example for the XRD analysis, some of the statement written by the author not only written in the XRD results, but can be seen elsewhere in the manuscript on other pages which is fall under sub section minimum inhibitory bactericidal concentration. This is not right and can make reader become confuse. ii. For the XRD analysis, "...characteristic peaks at 2θ regions of 26°, 27°, 31°, 45°, 56°, 75°, and 84°. are there any presence of impurities or only presence of high purity silica. iii. "...Braggs reflections clearly indicated the presence of sets of lattice planes and further on the basis that they can be indexed as face-centered-cubic (FCC) structure of silica nanoparticles formed in this present synthesis are crystalline in nature" Show reference to support this finding. iv. Consistency in writing: NPs or SiNP? v. What exactly the unit for the concentration that being used in this work? mg or µl? vi. Explain the reasons on using lesser amount of SiNP? vii. Describe the mechanism of SiNP as antimicrobial agent against oral pathogens. 4. Rewrite the conclusion and make it more comprehensive. Highlight the main finding in this manuscript. 	
Minor REVISION comments		
Optional/General comments		

Comment [U1]: Does all peaks indicate presence of high purity of silica?



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PART 2:

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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