Review Form 3

Journal Name:	**Archives of Current Research International**
Manuscript Number:	**Ms_ACRI_129531**
Title of the Manuscript:	**THE EFFECT OF DIETARY SODIUM ALGINATE ON THE GROWTH AND SURVIVAL OF GIANT FRESHWATER PRAWN (Macrobrachium rosenbergii)**
Type of the Article	

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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.
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PART 1: Comments

	Reviewer's comment	**Author's Feedback** *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)*
Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.		
Is the title of the article suitable? (If not please suggest an alternative title)		
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.		
Is the manuscript scientifically, correct? Please write here.		
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.		

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Is the language/English quality of the article suitable for scholarly communications?		
Optional/General comments	This research in terms of the content of the research is very interesting in the part of studying SODIUM ALGINATE in the perspective of being a food supplement in aquatic animals for the growth and immunity of aquatic animals, especially giant freshwater prawn, *Macrobrachium rosenbergii*, which would like to suggest other additional information as follows: **1. Title** **THE EFFECT OF DIETARY SODIUM ALGINATE ON THE GROWTH AND SURVIVAL OF GIANT FRESHWATER PRAWN (*Macrobrachium rosenbergii*)** **Comments :** It is appropriate, concise, easy to understand and interesting to communicate. The study of SODIUM ALGINATE for aquaculture to solve the problem of resistance to chemicals and antibiotics, as well as reduce the residual effects of substances and be environmentally friendly. **2. Abstract** **Comments :** Clarity of the problems arising from aquaculture What is the main problem that must be solved by using sodium alginate mixed into aquaculture feed? And before this, how was the problem solved and what was the impact on aquaculture? Including the value of the damage that occurred? Whether sodium alginate, a natural polysaccharide derived from brown algae, as a prebiotic, has been studied for the type and amount of probiotics or is it just a survey because the results may be inaccurate because the suitability of prebiotics and probiotics may be different. To get better experimental results than before, the type and amount of probiotics in aquatic animals, including initial and final immunity after testing, should be known. The keywords listed in this piece are appropriate. **3. Introduction** **Comments :** Having stated that "The strong demand for this prawn is due to its high nutritional value, including its high levels of protein, polyunsaturated fatty acids, and low-fat levels (D'Abramo & Sheen, 1994)." it should be added. The current import or export value of *Macrobrachium rosenbergii* in the market and its popularity in the aquatic animal market should be stated. In the second paragraph of the introduction, it should be further stated the extent of damage or impact caused by farming using chemicals or antibiotics. Further research on the types of prebiotics and probiotics found in this shrimp species should be done to provide a more complete understanding. In paragraph 3 , is there any research testing Sodium alginate in shrimp or other aquatic animals? And the results are good. It is worth checking more documents in this area to compare the results or make more accurate comments. **4. Discussion** **Comments :** Why do shrimp fed diets containing 2.0 g/kg of sodium alginate exhibit better growth and immune performance than those fed diets containing 2.0 g/kg of sodium alginate at higher concentrations? This should be further investigated. **5. Conclusion** **Comments :** From the results and conclusions on the issue of sodium alginate as a prebiotics in aquaculture systems, which study results show the efficacy of prebiotics or which probiotics in this study show the good prebiotic properties of sodium alginate that can be used in the animal feed industry ? **6. References** **Comments :** Research on the effect of prebiotics in the sodium alginate group in combination with probiotic microorganisms in shrimp or other aquatic animals should be increased in terms of the efficacy of prebiotics in aquatic animals. There should be more updated research and check the writing format to be correct according to the format specified by the document. เช่น Manivannan A & Saravanan T S. 2012. Impact of formulated protein diets on growth of the Indian major carp, *Labeo rohita* (Hamilton). Fish Aquacult. J. 57: 123-132. In the AD section, there are no parentheses like in other research.	

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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?	***(If yes, Kindly please write down the ethical issues here in details)***	

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