



SDI Review Form 1.6

Journal Name:	Current Journal of Applied Science and Technology
Manuscript Number:	Ms_CJAST_37300
Title of the Manuscript:	BATCH EQUILIBRIUM AND EFFECTS OF IONIC STRENGTH ON KINETIC STUDY OF ADSORPTION OF PHENACETIN FROM AQUEOUS SOLUTION USING ACTIVATED CARBON DERIVED FROM A MIXTURE OF Ayous SAWDUST and Cucurbitaceae PEELINGS
Type of the Article	Original Research Article

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/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)

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)
<u>Compulsory</u> REVISION comments		
<u>Minor</u> REVISION comments	*Properties of the used patch of phenacetin, used has to be mentioned in the materials and methods part. *I think that NaOH has no use in PH adjustment, where the working PH range was (2-7) *Isn't more suitable to use acidic buffer solutions rather than 0.1 N HCl. *Chemical equation (line 216), has to be explained.	- Phenacetin is an antipyretic/analgesic drug. - Normally, NaOH has no use but during adjustment there are some fluctuations that need the use of NaOH. - Acid buffer solution rather than 0.1 N can break some bonds in the molecule before its dispersion in solution. That is why we think that it is not suitable to use acid buffers, but 0.1 N HCl or NaOH. - This charged creates ionic exchange between the surface and the protonated amino functional group of phenacetin as shown below.
<u>Optional/General</u> comments	Bulk work was done, explained and discussed in a good manner, especially the kinetics part. I strongly recommend submission of the manuscript in your respectable journal.	Thanks' for your words we are going the follow your recommendation.