Reviewer’s report

Title: Semi-Purified Extracts of Commelina benghalensis (Commelinaceae) Induce Apoptosis and Cell Cycle Arrest in Jurkat-T Cells

Version: 3 Date: 7 January 2014

Reviewer: James J Wachira

Reviewer’s report:

Major Compulsory Revisions
None

Minor Essential Revisions
None

Discretionary Revisions
Kgomotso Welheminah. Lebogo1 (delete period)
Turfloop campus (Campus?)

1. Abstract:
In this study, acetone extract of (should be acetone extracts)

2. Page 14:
Although the initial events promoted by F1 fraction on JT cells before the commencement of apoptosis is not well understood, {are not well understood}.

3. Page 13:
The progression of the cell division cycle is largely controlled by cyclins, the regulatory units of CDKs and CDKIs. {add a comma after CDKs}

4. Page 15:
JT cell vary co-ordinately or that the effect of F1 fraction may have influenced a drop in Bcl-2 levels before {co-ordinately-remove the hyphen to read coordinately}

5. Page 20: Fraction F1 is also shown to inhibit cell proliferation through the up-regulation of p53,
p21Waf1/Cip1 and Cdc2, while fraction F2 inhibits cell proliferation via the upregulation of p21Waf1/Cip1 and Cdc2. {All that can be said is that the apoptosis was accompanied by the indicated molecular changes. The term “through” suggesting that the authors have identified a mechanism is not supported by any data, i.e., the authors did not demonstrate that blocking p53 in some way interfered with
apoptosis caused by F1).

6. Last sentence: are also pertinent. (should be: is also pertinent)

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:
I declare that I have no competing interests