

**JABATAN KIMIA MALAYSIA  
PROFICIENCY TESTING PROGRAMME**

**ENVITEST 1-19**

**Year 2019**

**BOD 5 Day and COD in Industrial Effluent**

**KIMIA PT Report No. 14/2019**

September 2019



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## ACKNOWLEDGEMENTS

This proficiency testing programme was conducted by Quality Management and Research Centre in collaboration with Environmental Quality Division of Department of Chemistry Malaysia, Petaling Jaya.

We would like to thank the management and staff of the participating laboratories for their support towards this programme.

Approved signatory,

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This report was authorized by  
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Date: 18<sup>th</sup> September 2019

## SUMMARY

This proficiency testing programme was conducted in July – August 2019. A total of one hundred and thirty - three (133) participants from laboratories in Malaysia participated in this PT scheme. A set of two PT items labelled as ENVITEST 1-19 “Item A” and “Item B” was dispatched to the participating laboratories and only one hundred and twenty - seven (127) participants had submitted their results.

Results for this study are summarised as follows:

PT Item	Testing Parameter	Assigned value (mg/L)	Expanded Uncertainty (mg/L)	Number of scores, $ z  \leq 2.0$	Total number of responses	% $ z  \leq 2.0$
Item A	BOD 5 Day	50	2	94	118	80
Item B	COD	161	2	118	125	94

*The expanded uncertainties are based on coverage factor,  $k = 2$  for 95% confidence level.*