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APPENDIXCalibration curve of standard 1,4-benzoquinone solution.

Stock solution of 1×10^{-4} M. of 1,4-benzoquinone was prepared in chloroform as in the experiment and the following dilutions were made. The absorbance of the resulting solutions were measured at 245 mm.

| <u>Cm³ of stock solution of 1,4-benzoquinone</u> | <u>Final volume (Cm³)</u> | <u>Absorbance</u> |
|---|--|-------------------|
| 0.5 | 10 | 0.100 |
| 1.0 | 10 | 0.210 |
| 1.5 | 10 | 0.310 |
| 2.0 | 10 | 0.415 |
| 2.5 | 10 | 0.520 |
| 3.0 | 10 | 0.625 |
| 3.5 | 10 | 0.725 |
| 4.0 | 10 | 0.840 |
| 4.5 | 10 | 0.950 |

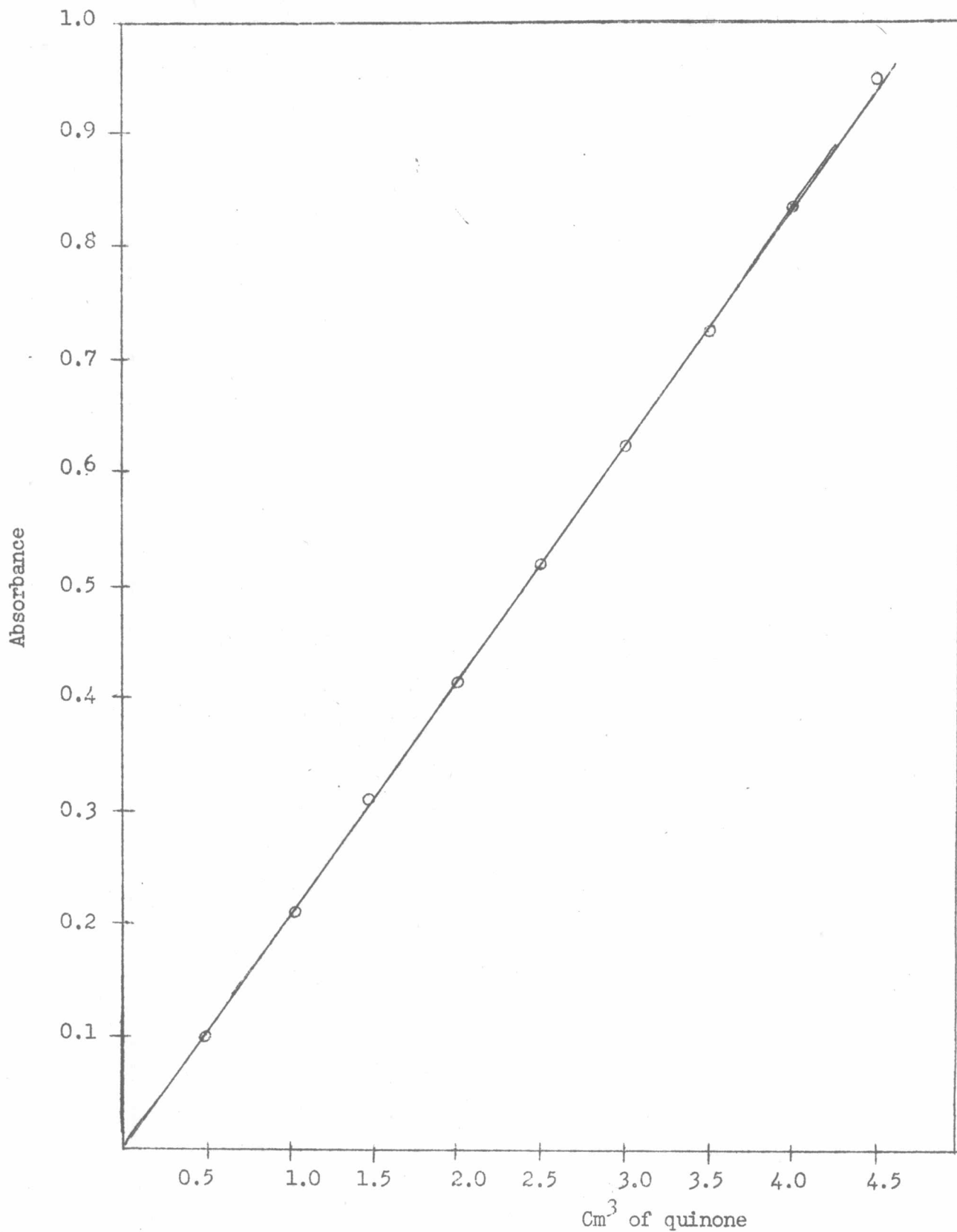


FIG V. CALIBRATION CURVE OF STANDARD 1,4-BENZOQUINONE SOLUTION.

VITA

Payab Namprasert (Mr.) was born on April 27, 1950 in Lopburi Province. He enrolled at Prince of Songkla University, Faculty of Science, in 1969 and was awarded a B.Sc. degree in Chemistry in 1972. After his graduation, he had been working as a scientist at Department of Science, Ministry of Industry for one year. In 1973, he enrolled at Graduate School of Chulalongkorn University. After receiving a M.Sc. degree in Chemistry he will be a scientist at Department of Science, Ministry of Industry.