

Comparing Three Instruments for Assessing Biology Teachers' Effectiveness in the Instructional Process in Edo State, Nigeria

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ABSTRACT The study assessed biology teachers' effectiveness in the instructional process using two instruments and classroom observation, with a view to determining the most objective and appropriate one. The instruments were: Student Assessment of Teacher Effectiveness Instrument (SATEI), Teacher Assessment of Teacher Effectiveness Instrument (TATEI) and classroom observation by the researchers. One hundred and eighty (180) Senior Secondary Class Two (SS2) biology students and six biology teachers selected from six secondary schools in Edo State of Nigeria, were involved in the study. Mean assessment of biology teachers' effectiveness using the instruments were compared through Analysis of Variance (ANOVA). The result of the study showed that there was a strong agreement in the assessment of biology teachers' effectiveness by students and the researchers, indicating high degree of objectivity in their assessments. Besides, biology teachers were biased on their self-assessment of teaching effectiveness.