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Figure 1: The pH of substrate in each of the digesters before digestion.

The plots of ambient and digesters temperatures against time (days) for digester A containing 6 kg of cassava peels is shown in Figure 2.

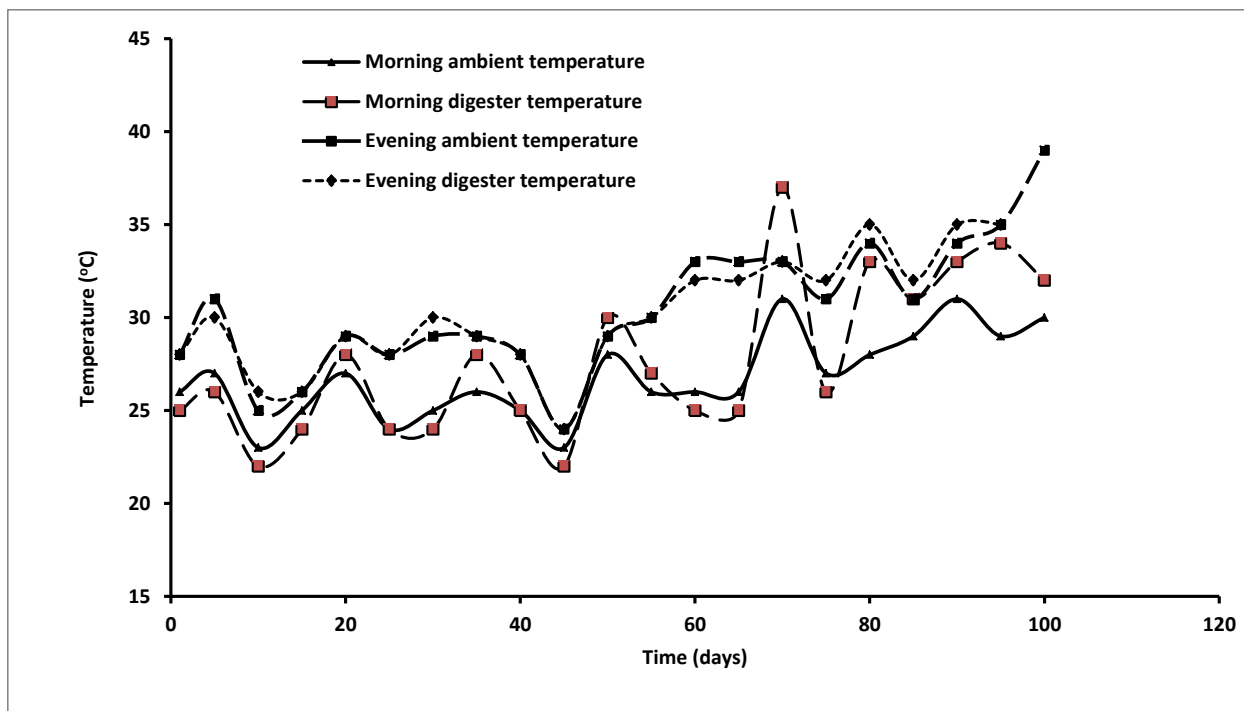


Figure 2: Plots of ambient and digesters temperatures against time (days) for digester A (6 kg of cassava peels)

Figure 3 shows the plots of ambient and digesters temperatures against time (days) for digester B containing mixture of 3 kg of cassava peels and 3 kg of cattle dung.

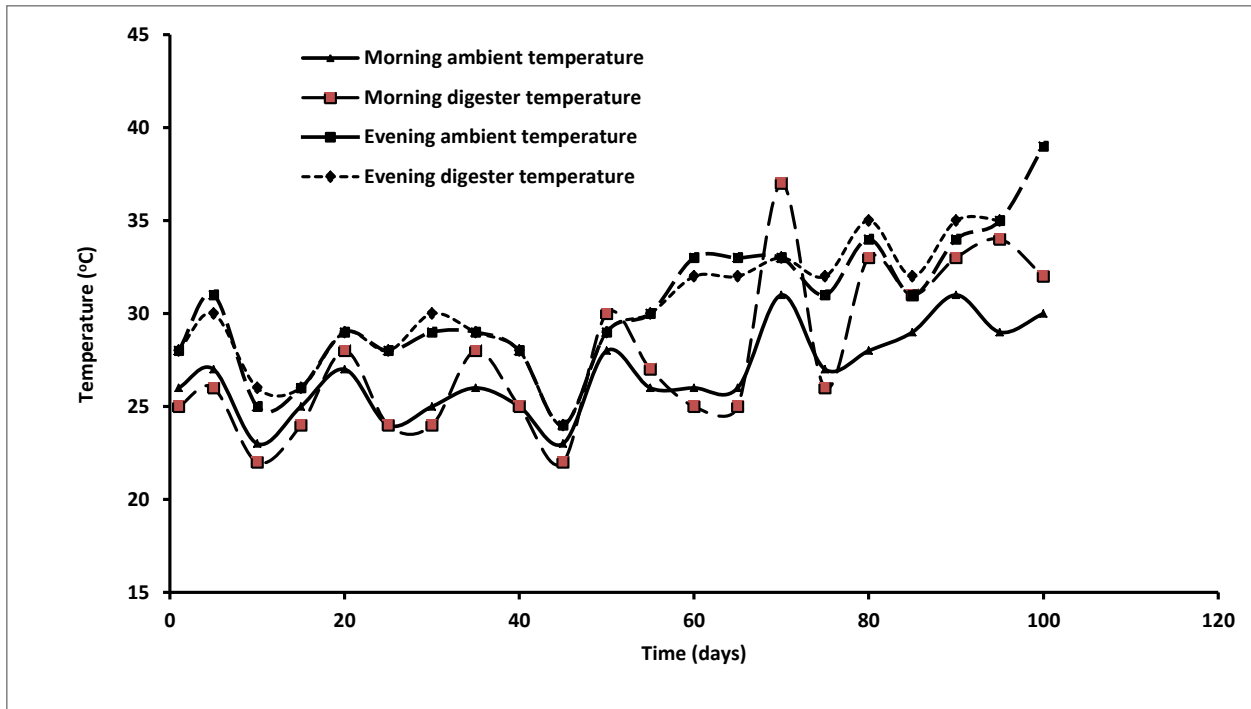


Figure 3: Plots of ambient and digesters temperatures against time (days) for digester B (3 kg of cassava peels and 3 kg of cattle dung)

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The plots of ambient and digesters temperatures against time (days) for digester C having 3 kg of cassava peels and 3 kg of poultry dung is shown figure 4.

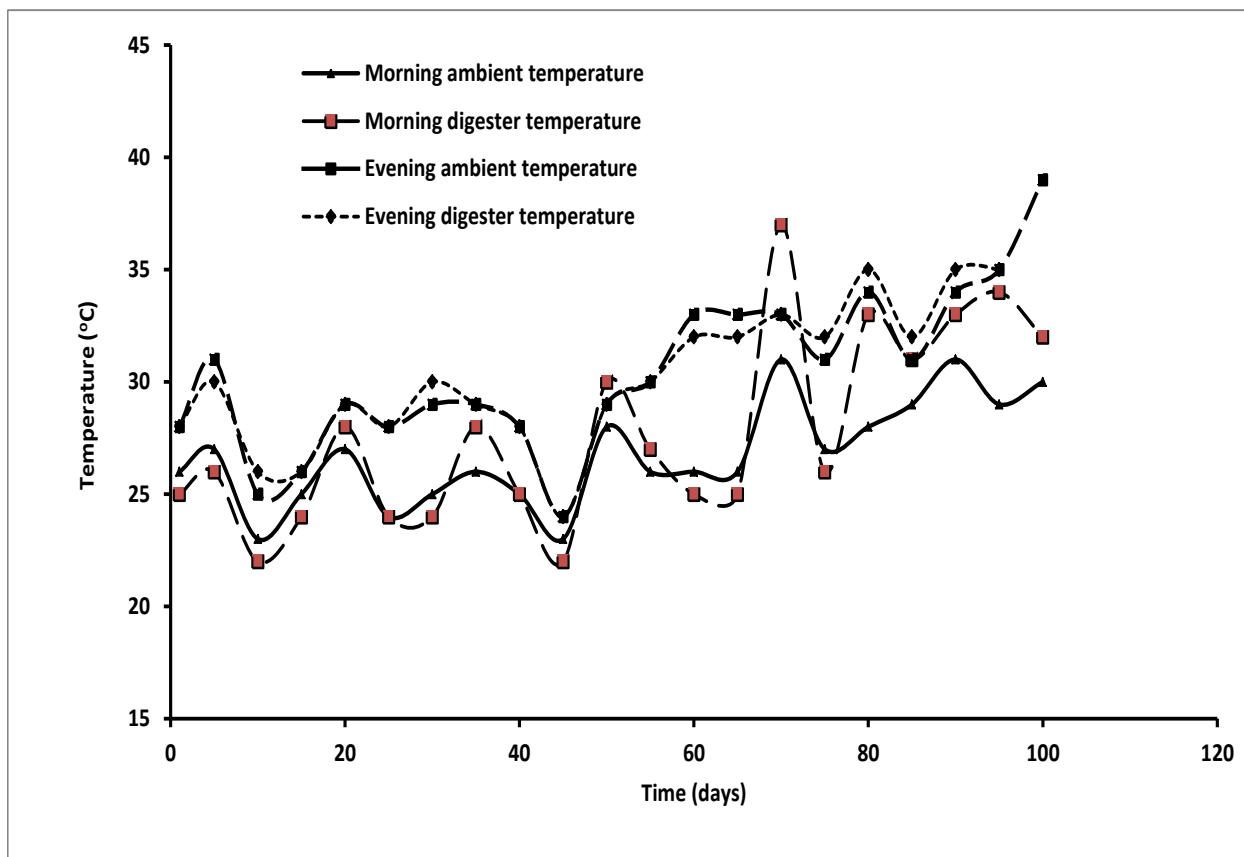


Figure 4: Plots of ambient and digesters temperatures against time (days) for digester C (3 kg of cassava peels and 3 kg of poultry dung)

Figure 5 shows the plots of ambient and digester temperatures against time (days) for digester D containing mixture of 2 kg of cassava peels, 2 kg of cattle dung and 2 kg of poultry dung.

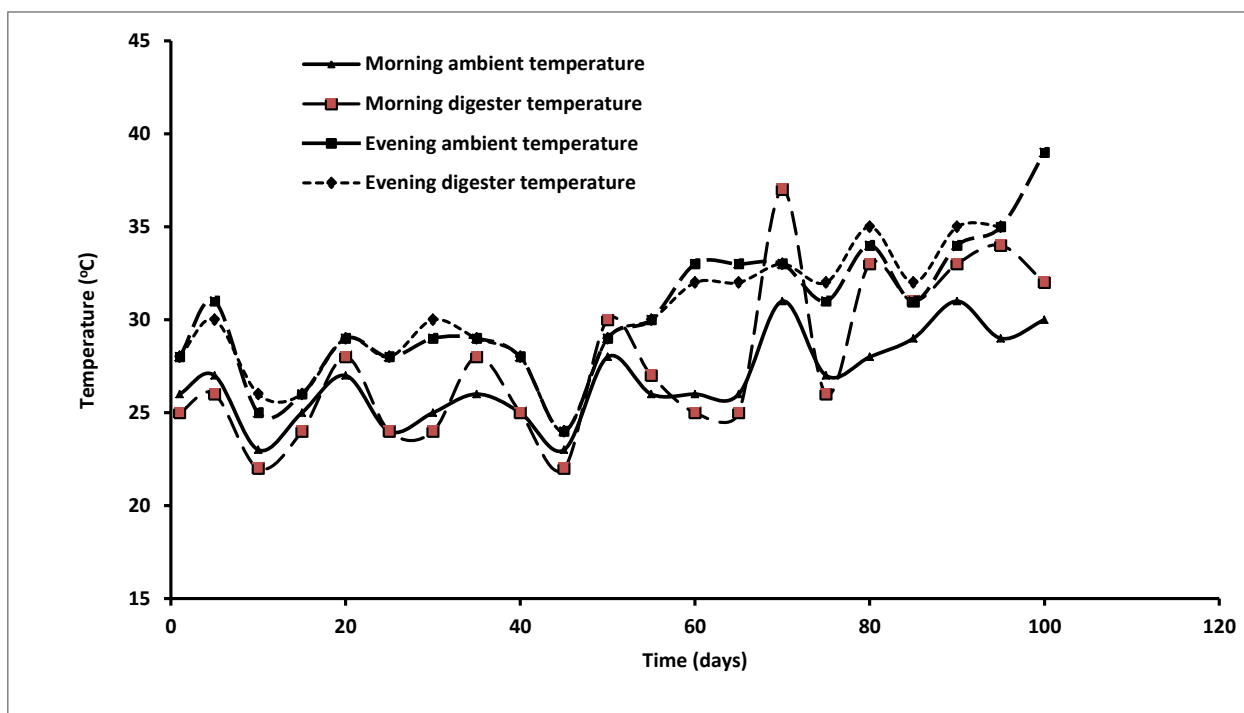


Figure 5: Plots of ambient and digester temperatures against time (days) for digester D (2 kg of cassava peels, 2 kg of cattle dung and 2 kg of poultry dung).

The plots of ambient and digesters temperatures against time (days) for digester E containing 2 kg of cassava peels, 3 kg of cattle dung and 1kg of poultry dung is shown in figure 6.

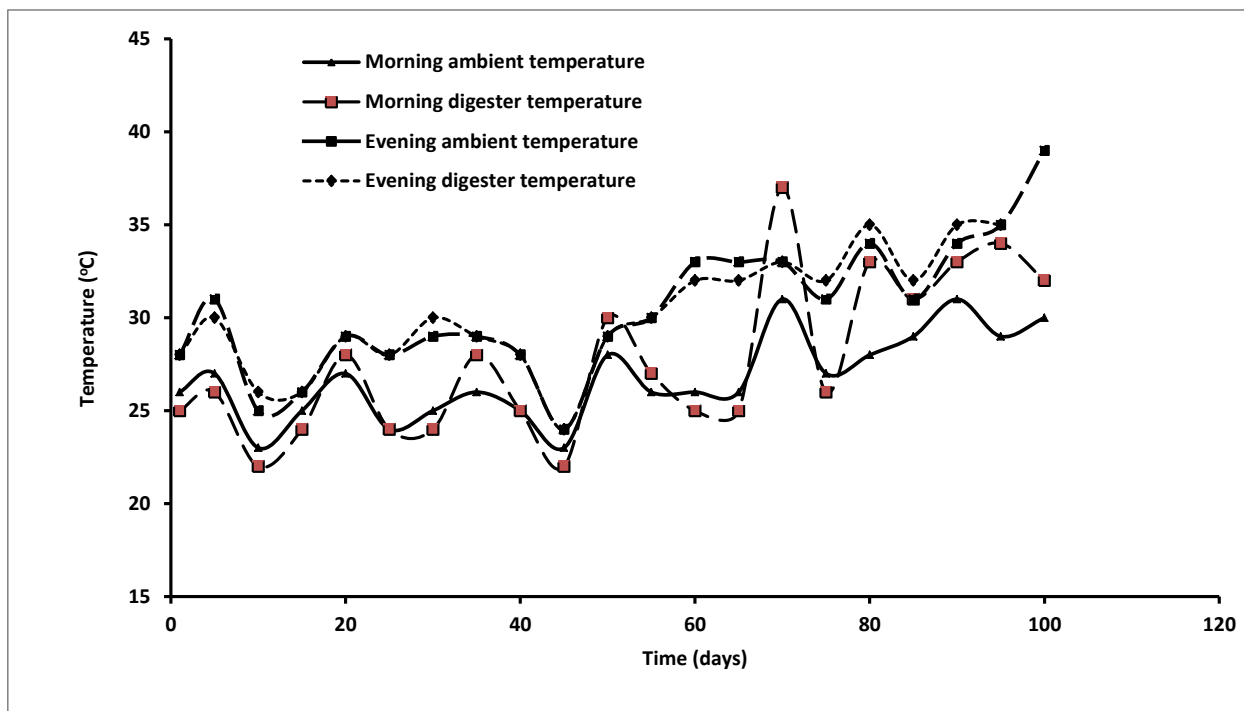


Figure 6: Plots of ambient and digesters temperatures against time (days) for digester E (2 kg of cassava peels, 3 kg of cattle dung and 1 kg of poultry dung).

Figure 7 shows the plots of ambient and digester temperatures against time (days) for digester F containing 2 kg of cassava peels, 1 kg of cattle dung and 3 kg of poultry dung.

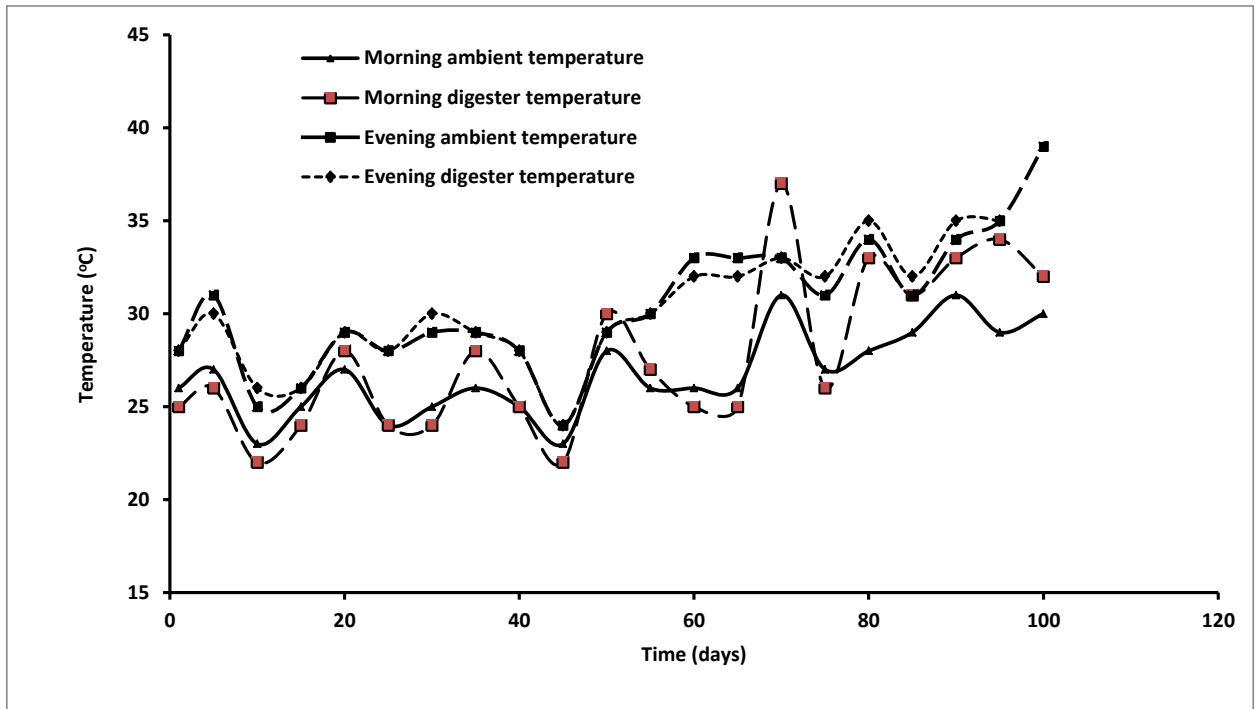


Figure 7: Plots of ambient and digester temperatures against time (days) for digester F (2 kg of cassava peels, 1 kg of cattle dung and 3 kg of poultry dung).

Figure 8 shows the onset of biogas production for each of the digesters.

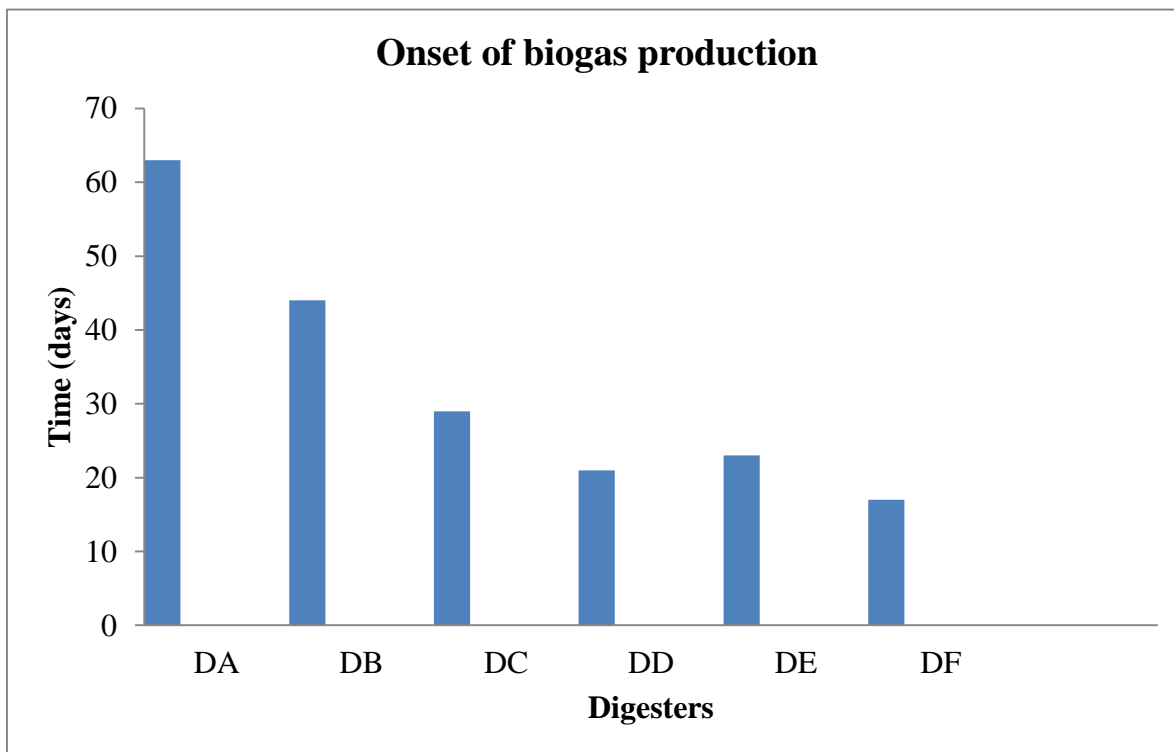


Figure 8: Onset of biogas production for each of the digesters



Figure 9 shows the column chart of the ignition time of biogas from each of the digesters.

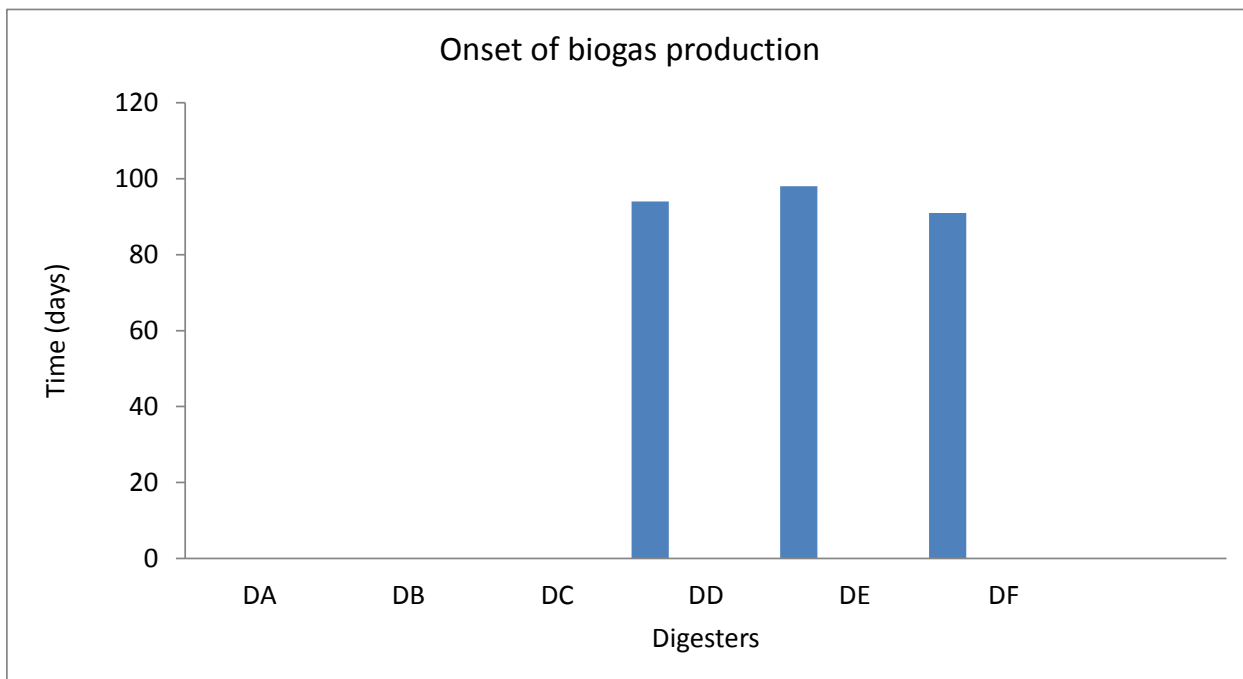


Figure 9: A column chart showing the combustion time for each of the digesters.

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